

QUIZDLE

Series 1

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Quizdle #1

by Jack Griffiths

1. Succeeding her father, Charles VI, Holy Roman Emperor, in October 1740, which Austrian archduchess and queen of Hungary and Bohemia was ruler of the Habsburg dominions from 1740 to her death in 1780? She introduced sweeping domestic reforms and oversaw the Seven Years War and later the War of Bavarian Succession.
2. Which mountainous and forested region in the South Caucasus is governed mostly by the unrecognised Republic of Artsakh? Internationally recognised as Azerbaijani territory, the region has seen two notable wars in the 1990s and 2020s. The region is home to the culturally significant cities of Shusha and Stepanakert.
3. In semiconductor physics, what word is given to an interface of two layers of semiconductors with different band gaps? Kroemer and Alferov were jointly awarded the 2000 Nobel Prize in Physics for their work on these devices.
4. Which country's flag is formed by taking the middle band of the flag of Mali, the top band of the flag of Gabon, and the top band of the flag of Tajikistan, and arranging these horizontally from top to bottom?
5. He lived a brief, passionate, unhappy life. He wrote magnificent poetry. And he introduced a new word for 'kiss' into the European languages." These words of the classicist Gilbert Highet refer to which Roman poet of the first century BC? This poet's works are often regarded as obscene, erotic or solemn in nature.

1. MARIA THERESA
2. NAGORNO KARABKH
3. HETEROJUNCTION
4. LITHUANIA
5. CATULLUS

Quizdle #2

by Kai

1. Which planned city, set to replace Jakarta as Indonesia's capital, has a name derived from the Javanese for 'The Outer Islands'?
2. In which constellation was the first object widely accepted to be a black hole discovered? The black hole in question shares its name with two songs by the Canadian band Rush.
3. In one of this man's short stories, an officer orders a machine to inscribe the words "be just" into him as a form of elaborate torture, only for it to malfunction and brutally stab him to death.
4. This 16th century Venetian painter created two portraits of Holy Roman Emperor Charles V in 1548, one seated and a more famous equestrian portrait.
5. In which US State is the city of New Madrid, which suffered a series of devastating intraplate earthquakes around the year 1812?

1. NUSANTARA
2. CYGNUS
3. KAFKA
4. TITIAN
5. MISSOURI

Quizdle #3

by Michael Kohn

1. What is the name of the mustachioed talking cat in the Master and Margarita? His name is also that of Thomas Hobbes's follow up to Leviathan, and also comes from the book of Job.
2. Who became number 1 in the Women's Tennis Association rankings upon the retirement of Ashleigh Barty in March 2022?
3. In Marvel comics, what is the name of one of Wanda Maximoff's children with abilities similar to her own, and one of the first canonically gay Marvel superheroes? His name also denotes a member of a modern Pagan religion, which was introduced in England in 1954 by Gerald Gardner.
4. In Berio's Sinfonia, one of the performers shouts "but seeing Daphnis and Chloe, written in red!". This references a work by which composer?
5. The Babington plot was a failed assassination attempt against the first monarch of what name in England in 1586?

5. ELIZABETH
4. RAVEL
3. WICCAN
2. SWATEK
1. BEHEMOTH

Quizdle #4

by Ab Uthayakumar

1. Which author of 'The Strategy of Conflict' won the 2005 Nobel Prize in Economics? He was the renowned applied game theorist of his generation.
2. Johanna Spyri's novel 'Heidi' is set in this country. This country is also the native home to professional footballers, Granit Xhaka and Manuel Akanji.
3. Which philosopher wrote 'Three Dialogues between Hylas and Philonous'? His surname is linked to an American university on the West Coast.
4. The Abel-Ruffini theorem says that, for degrees 5 and up, these equations cannot be solved using radicals. However, for degree 2, these equations can be solved using the quadratic formula.
5. 'Cantique de Jean Racine' is a notable work by which French composer? One of his pieces was played by Sheku Kanneh-Mason at the Royal Wedding of the Duke and Duchess of Sussex.

5. FAURE
4. POLYNOMIALS
3. BERKELEY
2. SWITZERLAND
1. SCHELLING

Quizdle #5

by Tya Raikundalia

1. What musical direction means 'at a brisk pace'?
2. What concept describes the process by which a theory, lesson, or skill is enacted, embodied, or realised?
3. What city was the capital of the Roman/Byzantine Empire, as well as the capital of the Latin Empire and Ottoman Empire. A song is written about this city by Nat Simon, and was covered by They Might be Giants
4. What herb can be found in black, green, and white form, grown in areas such as Darjeeling, Assam, and Kangra?
5. Name this sweet product, variants of which can be found in seashell shape, a round shape with a hole in it, and a regular round shape.

1. ALLEGRO
2. PRAXIS
3. CONSTANTINOPLE
4. TEA
5. CAKE

Quizdle #6

by Toby

1. Figure skating couple Jayne Torvill and Christopher Dean won gold at the 1984 Sarajevo Winter Olympics for performing a routine to which work of classical music? The same piece was played during the torch lighting ceremony at the 2020 Tokyo Summer Olympics.
2. What martial art, originally developed by Morihei Ueshiba, has a name that translates as "the way of unifying with life energy" or "the way of the harmonious spirit?" It primarily focuses on throws and joint locks, as well as some usage of weapons.
3. Aldous Huxley's "The Doors of Perception" and Olga Tokarczuk's "Drive Your Plow Over the Bones of the Dead" both take their names from which late 18th- to early 19th-century writer's work "The Marriage of Heaven and Hell"
4. In Greek mythology, which king of the Lapiths was exiled from society after pushing his father-in-law Deioneus onto hot coals, killing him? He was taken into Olympus by Zeus, but was later punished for making advances on Hera by being bound to an eternally spinning fiery wheel.
5. Hashimoto's disease affects which organ of the human body? Another similar disease is toxic diffuse goiter, better known as Graves' disease.

5. THYROID
4. IXION
3. BLAKE
2. AIKIDO
1. BOLERO

Quizdle #7

by Jack Griffiths

1. Member of Parliament for Rushcliffe from 1970 to 2019, which former Chancellor of the Exchequer had the Conservative whip removed in 2019 following their opposition to a motion related to Britain's exit from the EU? They did not seek re-election in 2019, but now sit as a Conservative member of the House of Lords.
2. Which French city, the largest in the Haute-Savoie department in the Auvergne-Rhône-Alpes region, lies on a lake with the same name, around 35km south of Geneva? Described by French geographer Raoul Blanchard as the "Pearl of French Alps", it is well-known for its old town, cobbled streets, winding canals and pastel-coloured buildings.
3. Born in Stockholm in 1983 to Moroccan Berber parents, which singer, songwriter and producer represented Sweden at the Eurovision Song Contest 2012 in Baku? They won with their song "Euphoria", earning 12 points from 18 of 41 countries (the most 12 points ever), and received points from all countries except Italy.
4. Following the fall of Bucharest to the Central Powers in World War 1, which city in the North East of Romania became its temporary capital city? It is the second-largest city in the country, and was declared the Historical Capital of Romania in 2018.
5. Which artist, born in Ohio in 1924, was most famous for their use of appropriation by recreating artworks of other 20th century artists including Warhol, Lichtenstein and Duchamp? Her works include "Warhol Licorice Marilyn", "Johns White Numbers" and "Lichtenstein, Frighten Girl".

1. (KEN) CLARKE
2. ANNECY
3. LOREEN
4. IAȘI
5. STURTEVANT

Quizdle #8

by Jack Griffiths

1. Which city, located along the Rhine River, is home to landmarks such as the Cathedral of St. Florin, a namesake castle, and sculptures such as Reclining Woman by Fernando Botero and Figure in a Shelter by Henry Moore?
2. Which British-Iraqi architect and designer was described by The Guardian as the "Queen of the curve", who "liberated architectural geometry, giving it a whole new expressive identity". Her major works include the Heydar Aliyev Centre in Baku, the Grand Theatre of Rabat and the London Aquatics Centre?
3. A Special Operations Executive (SOE) during the Second World War, which British-French ensign was described by military historian Max Hastings as "adored by the men and women of SOE both for her courage and endless infectious Cockney laughter"? On her second mission during the war, she was captured by the German army, interrogated and sent for execution at Ravensbrück concentration camp. She was the second female to receive the George Cross.
4. Which country's capital city is formed by concatenating the first letter of the capital cities of Tajikistan, Turkmenistan, Rwanda, Turkey and Dominica?
5. Which region, covering northern Italy and western Austria, is best known for ski resorts such as Innsbruck, Arlberg and Seefeld? The region has hosted three winter Olympic Games: 1956 in Cortina d'Ampezzo, and 1964 and 1976 in Innsbruck.

5. TYROL
4. SENEGAL
3. SZABO
2. HADID
1. VADUZ

Quizdle #9

by Kai

1. Which island in the western Indian Ocean is home to many endemic plant species, including the dragon's blood tree? It was designated a UNESCO World Heritage Site in 2008 and invaded by the UAE briefly in 2018.
2. This Soviet rocket engineer was known for most of his later career only as the "chief designer" to protect him from any assassination attempts. He died unexpectedly in 1966, before he could implement plans for a Soviet moon landing.
3. Which physicist names a hypothetical engine that is the most efficient heat engine theoretically possible, as well as the cycle that it operates on?
4. What name links a prefecture on the eastern coast of Kyushu, the lead developer behind games such as Dark Souls and Elden Ring, and a film director whose works include Castle in the Sky and Princess Mononoke?
5. Which country was home to the longest uninterrupted ruling party in a multi-party democracy, the Institutional Revolutionary Party, which was in power from 1929 to 2000?

5. MEXICO
4. MIYAZAKI
3. CARNOT
2. KOROLEV
1. SOCOTRA

Quizdle #10

by Holly Parkinson

1. Historical central European region; its largest city is Wrocław
2. _____ Bonnet, 18th-century Barbadian pirate captain known as 'The Gentleman Pirate'
3. A subatomic particle that experiences the strong nuclear force
4. One of two South American countries that drive on the left-hand side of the road, the other being Suriname
5. Surname of the author of the 2019 novel 'On Earth We're Briefly Gorgeous'

5. *VUONG*
4. *GUYANA*
3. *BARYON*
2. *STEDE*
1. *SILESIA*

Quizdle #11

by Ab Uthayakumar

1. Which economist, the co-author of 'Free to Choose' created the 'natural rate' of unemployment in order to criticise the Phillips Curve?
2. Which cricketer, born in Christchurch, New Zealand, assumed the role of England Men's Test team captain following the stepping down of Joe Root?
3. Which group of animals includes whales, dolphins and porpoises? These mammals have tails rather than hind limbs and have flippers instead of forearms.
4. Which ancient Egyptian god of the moon appeared in the Disney+ miniseries, Moon Knight, starring Oscar Isaac and F. Murray Abraham?
5. Which country is home to 'Paro Airport'? Given its challenging nature and difficulty to land there, only 25 pilots are legally qualified to fly there.

1. FRIEDMAN
2. STOKES
3. CETACEANS
4. KOHNSU
5. BHUTAN

Quizdle #12

by Tya Raikundalia

1. Name this flightless and beakless sea bird from the Planet Ahch-To. Luke Skywalker lives on this planet in 'The Last Jedi', and Chewbacca attempts to eat one of these birds when he visits.
2. What awards are given for technical and artistic merit in the film industry? The first ceremony for these awards was held in 1929.
3. What is the surname of this Indian writer, famous for writing the Ibis Trilogy? He was born in Calcutta and is well known for writing English Language Historical fiction, his first book being the Sea of Poppies.
4. Which island was converted into a federal penitentiary in 1939? Only three inmates have successfully escaped from this prison.
5. Name this singer, whose most celebrated song is 'Kiss from a Rose' and 'Crazy'.

1. PORC
2. OSCARS
3. GHOSH
4. ALCATRAZ
5. SEAL

Quizdle #13

by Toby

1. "No One Can Hear You Read" is a documentary directed and produced by Atticus Brady about the life of which jazz pianist, most famous for the jazz standard Misty? It takes its title from the musician's response when questioned about his inability to read sheet music.
2. The three-dimensional Menger sponge and the two-dimensional Sierpinski carpet are higher-dimensional generalisations of a set attributed to which German mathematician?
3. Coined by Thomas Carlyle in his 1849 argument for reintroducing slavery in the West Indies, "the dismal science" refers to which field of study?
4. The type of military hat known as the shako takes its name from which language? Other English loanwords from this language include "paprika" and "goulash."
5. In September 2021, which city's Fotbal Club Sheriff managed a 2-1 upset over Real Madrid? The city in question is the de facto capital of Transnistria.

1. GARNER
2. CANTOR
3. ECONOMICS
4. HUNGARIAN
5. TIRASPOL

Quizdle #14

by Holly Parkinson

1. Creator of the Moomins, Tove _____.
2. French physicist, anti-fascist, and lover of Marie Curie after her husband's death.
3. Icelandic spirit drink, translates as 'burning wine'.
4. Chemical element named after Paris; the name cassiopeium was also proposed for this element.
5. Name of courier company known as Hermes until early 2022.

1. JANSSON
2. LANGEVIN
3. BRENNIVIN
4. LUTETIUM
5. EVRI

Quizdle #15

by Jack Griffiths

1. In combinatorics, which word precedes 'square' to describe an n-by-n matrix filled with n different symbols, such that each symbol occurs exactly once in each row and column?
2. From the Greek for "carrying back", which rhetorical device, used in speeches by Winston Churchill, Martin Luther King Jr., and Abraham Lincoln, consists of repeating a sequence of words or phrases at the beginning of neighbouring clauses of text?
3. Located 2,400 km northeast of New Zealand, which island country is located in a triangle of Samoa to the north, the Cook Islands to the east and Tonga to the west? It is one of the world's largest coral islands, and it is sometimes referred to as the "Rock of Polynesia".
4. Which French airport code is formed by concatenating the first letters of the French words for 'hazelnut', 'shrimp' and the verb 'to investigate'?
5. Born in the Russian Empire in 1879, which Polish–Ukrainian Russian avant-garde artist's works include The Knifegrinder, Black Square, and White on White? The latter two are regarded as notable works of Suprematism, an art movement founded by the artist in question.

1. LATIN
2. ANAPHORA
3. NIUE
4. NCE
5. MALEVICH

Quizdle #16

by Kai

1. Nacreous, Mammatus, Arcus and Fractus are varieties of what meteorological phenomenon?
2. Which West African empire reached its greatest extent under Askia Muhammad I, and had its capital at Gao? The empire collapsed after its invasion by Morocco in the late 16th Century.
3. Tapioca is a staple food in many tropical countries, extracted from the root of which plant native to South America?
4. Which moon of the outer solar system is the largest moon in a retrograde orbit around its parent planet, which may be a result of it being a captured dwarf planet? During Voyager 2's flyby, it observed nitrogen geysers erupting from the moon's surface.
5. This Russian photographer was well known for the development of early colour photography, which he used to document life around the Russian Empire until 1915.

5. SERGEY PROKUDIN-GORSKY
4. TRITON
3. CASSAVA
2. SONGHAI
1. CLOUD

Quizdle #17

by Nic Yelland

1. Give the name for the law of phonetics that describes the evolution of plosive consonants from Proto-Indo-European to Proto-Germanic. A connection was first noted in 1806 between /p/ in Latin and a corresponding /f/ in Germanic languages, e.g. pater vs. Vater and father.
2. Anthony and Joseph have directed together the pilot episodes of the TV sitcoms Community and Arrested Development, and more recently an opening cinematic for Fortnite Battle Royale. What is their surname?
3. What is the family name of Dmitri, Ivan, and Alexei, characters from a novel whose title bears this name and their relationship? It was the last novel written by the author before their death in 1881.
4. Nonlinear differential equations in y that can be linearised by a substitution of the form $u = y^{(1-n)}$ are named after which mathematician? The same name is sometimes given to a theorem of limits that is more often attributed to Guillaume de l'Hôpital, though he was not the first to present it.
5. What surname is shared by Joseph-Michel and Jacques-Étienne, who together invented a process to manufacture transparent paper? They are better known for another invention originally made from wood and taffeta cloth; the French word for it derives from their name.

5. MONTGOLFIER
4. BERNOLLI
3. KARAMAZOV
2. RUSSO
1. GRIMM

Quizdle #18

by Ab Uthayakumar

1. El Nido is a Philippine municipality on which island? It is renowned for its coral reefs and white-sand beaches.
2. Jürgen Klopp and Ralf Rangnick are advocates for this tactic, whereby the team employing this tactic run at the opposition until they make a mistake and lose the ball.
3. Giambattista Marino's most famous poem is an epic titled for this mythological figure. This figure shares a name with Apollo Creed's son.
4. Which Hindu goddess, the wife of Vishnu, is known of goddess of wealth and good fortune?
5. Daniil Trifonov won this 2011 piano competition which pays homage to this Russian composer. This composer famous wrote 'The Voyevoda' and 'Swan Lake'.

1. PALAWAN
2. GEGENPRESSING
3. ADONIS
4. LAKSHMI
5. TCHAIKOVSKY

Quizdle #19

by Toby

1. What word refers to both a province in the northeast of Argentina and a former name of Taiwan, which is almost exactly antipodal to it? The names originate from words for "beautiful" in Spanish and Portuguese respectively.
2. The first ever official water break in a FIFA World Cup match was held in which Brazilian city on June 22 2014? The city in question is the capital of the state of Amazonas.
3. A principle named for which economist came from his observation that 80% of Italy's land was owned by 20% of its population? His namesake "optimality" is a concept often used in game theory.
4. Which chemical element was originally called panchromium, owing to the variety of colours exhibited by its salts? It was later renamed to erythronium as many of the salts turned red upon heating, and in 1831 it took its modern name from an alternative name of the Norse goddess Freyja.
5. What surname links the following people: the chess player defeated by 13-year-old Bobby Fischer in the "Game of the Century"; the third person to serve as Chief Secretary of the Treasury under Gordon Brown; and the lead singer of Talking Heads?

5. BYRNE
4. VANADIUM
3. PARETO
2. MANAUS
1. FORMOSA

Quizdle #20

by Ab Uthayakumar

1. Sharing a name with Argus Filch's cat, which McLaren Formula 1 driver took his first pole position at qualifying in the 2021 Russian Grand Prix?
2. Known for her roles in Morning Glory (1933) and 'On Golden Pond (1981), which actress has accumulated 4 'Best Actress' awards at the Oscars?
3. What is the capital city of the Northern Province of Sri Lanka? In Tamil, this city is known as 'Yalpanam' and prior to the Sri Lankan Civil War, was the second most populous city after Colombo.
4. What is the term that describes any ion or neutral molecule that bonds to a central metal atom or ion?
5. Which work of epic poetry, compiled by Elias Lönnrot, is regarded to be the national epic of Karelia and Finland?

5. KALEVALA
4. LIGAND
3. JAFFNA
2. HEPBURN
1. NORRIS

Quizdle #21

by Nic Yelland

1. Which English word ultimately derives from an Italian phrase that refers to a 14th century Venetian shipping policy of barring certain ships from entering the port for a period of 40 days.
2. Which cheese-filled dish is cooked on a comal, often served with salsa, and sometimes contains the delicacy huitlacoche?
3. Which descriptor applies to the following statues and sculptures? Physical Energy in Kensington Gardens, the Boer War memorial in Edinburgh, and the statue of Elizabeth II in Windsor Park.
4. Typical features of languages from this family (many of which are extinct) include high levels of polysynthesis and a direct-inverse morphosyntactic alignment. English words derived from languages in this family include Illinois, muskrat, and toboggan.
5. What name is shared by a group of traditionally nomadic tribes in central and southern Iran, and a small SUV produced by Nissan.

1. QUARANTINE
2. QUESADILLA
3. EQUESTRIAN
4. ALGONQUIN
5. QASHQAI

Quizdle #22

by Jack Griffiths

1. Which word refers to i) a military unit of 256 men in the ancient Macedonian army; ii) in linguistics, an elementary constituent segment within a text; iii) the constitution of modern Greece and iv) a pedestrian square in Athens?
2. "Then I'm laying out my winter clothes; And wishing I was gone, going home; Where the New York City winters aren't bleeding me; Leading me, going home". These lyrics feature in which 1969 song by Simon and Garfunkel?
3. Which Greek island—in the northern Aegean Sea— features in the title of a white Parian marble sculpture, depicting Nike, the goddess of Victory, alighting on the bow of a warship? The art historian Horst Woldemar Janson described it as "the greatest masterpiece of Hellenistic sculpture."
4. Believed to be the largest reliquary in the western world, the "Shrine of the Three Kings", traditionally thought to contain the remains of the biblical Magi, is located above the high altar of which cathedral?
5. Which fashion house won the 2021 "Dress of the Year" award? The dress is described as a "black triple silk georgette dress with deep front and lotus flower embroidery." It is most famous for being worn by Meghan, Duchess of Sussex, during her interview with Oprah.

5. ARMANI
4. COLOGNE
3. SAMOTHRACE
2. THE BOXER
1. SYNTAGMA

Quizdle #23

by Kai

1. Which Swiss astrophysicist inferred the existence of dark matter in 1932 by applying the virial theorem to galaxies in the Coma Cluster? He also coined the term "supernova" and hypothesised that they were transitions from regular stars to neutron stars.
2. The Treaty of Neuilly-sur-Seine resulted in which country giving up the territories of West Thrace, Dobruja, and several territories along the border with the Kingdom of Serbs, Croats and Slovenes?
3. A statue of which fictional detective can be found on Falk Miksa Street in Budapest? The actor who played them shares a surname with the street's namesake, but otherwise shares no relation to the city.
4. The eruption of Krakatoa is thought to have influenced the skies in which artist's most famous painting? That painting includes a pencil inscription at the bottom stating that it "could only have been painted by a madman".
5. Tugela Falls, disputed to be the highest waterfall in the world by some measurements, is in which mountain range of southern Africa? The tallest peak in these mountains is Thabana Ntlenyana, which means "Beautiful Little Mountain" in Sesotho.

5. DRAKENSBERG
4. MUNCH
3. COLUMBO
2. BULGARIA
1. ZWICKY

Quizdle #24

by Toby

1. With a name meaning "large nucleus cell", what type of cell found in the bone marrow is responsible for the production of platelets?
2. "God made the integers; all else is the work of man." This statement is attributed to which mathematician? He gives his name to a function of two variables that takes the value 1 if the variables are equal and 0 otherwise.
3. In October 1984, Marc Garneau became the first person from which country to go to space? Other astronauts from this country include Chris Hadfield, who recorded the album "Space Sessions: Songs From a Tin Can" while aboard the ISS, and in October 2021, William Shatner.
4. What name is shared by a princess in the title of a Gilbert & Sullivan comic opera; in Greek mythology, a nymph who nursed Zeus alongside her sister Adrasteia; and an Atlantic hurricane that caused over 100 deaths and \$75 billion in damage in August and September of 2021?
5. The colours of which country's tricolour flag are described from top to bottom by the nicknames of self-titled albums by Weezer, Metallica, and The Beatles?

1. MEGAKARYOCYTTIC
2. KRONCKER
3. CANADA
4. IDA
5. ESTONIA

Quizdle #25

by Ab Uthayakumar

1. What term is used in chemistry to denote the amount of a particular constituent per unit volume of a mixture?
2. Which Spanish tennis player, being seen as the successor to the Big Three, recently beat Rafael Nadal, Novak Djokovic and Alexander Zverev to become the youngest ever winner of the Madrid Open?
3. Which author wrote works such as 'The Holy War' and 'The Pilgrim's Progress'?
4. Which man partly apologised for his deregulatory policies during and after the 2008 Financial Crisis? He also served as Chairman of the Federal Reserve before Ben S. Bernanke?
5. Which Russian painter, the founder of 'Der Blaue Reiter', is considered to be one of the first modern abstract painters?

5. KANDINSKY
4. GREENSPAN
3. BUNYAN
2. ALCARAZ
1. MOLARITY

Quizdle #26

by Isaiah Silvers

1. Alongside Louis Poinot, which mathematician and astronomer posthumously gave his name to a group of four regular polyhedra due to having described two of them in Harmonice Mundi in 1619?
2. What fictional Essex estate was the setting for Agatha Christie's first and penultimate published novels?
3. Of the 57 jazz musicians gathered in Art Kane's 1958 photograph 'A Great Day in Harlem,' only two are still living as of June 1, 2022: Sonny Rollins and Benny Golson. What instrument do both of them play?
4. The Sundarbans in Bangladesh is an example of a wetland forest dominated by halophyte trees and shrubs known by what common name?
5. What event held at the Mount Washington Hotel in 1944 led to the creation of the International Bank for Reconstruction and Development and set standards for currency exchange between the participating nations?

1. KEPLER
2. STYLES
3. TENOR SAX
4. MANGROVE
5. BRETTON WOODS

Quizdle #27

by Lillian Crawford

1. What descriptive word precedes 'Jungle' in a term used to describe female genitalia coined by Rita Mae Brown?
2. Lisa, the wife of a Wendy Melvin who backed Prince in The Revolution has what surname? She is one a handful of directors to have been nominated for an Emmy limited series and the Best Picture Academy Award.
3. Revived at the National Theatre in 2019 with Roger Allam in the lead, Rutherford and Son is a play by a female member of the Fabian Society with what surname?
4. Which Latin term for the part of the Eucharistic service in which bread and wine are placed on the altar titles a concerto for violin and orchestra by Sofia Gubaidulina?
5. A 2001 painting by Paula Rego depicts the 'House' of which character from Spanish literature, which she uses to explore the ages of woman from birth to death?

1. RUBYFRUIT
2. CHOLODENKO
3. SOWERBY
4. OFFERTORIUM
5. CELESTINA

Quizdle #28

by Nic Yelland

1. In which English county can one find the towns Newport Pagnell and Olney, and the Prime Minister's country retreat, Chequers?
2. Which composer of the operas *Phryné* and *L'ancêtre* was a mentor and close friend to Gabriel Fauré? He sometimes travelled under the name Charles Sannois to escape his fame.
3. Which building was commissioned by King Ludwig II of Bavaria in 1869? He died before it was completed, indeed it was never finished. Intended as a private residence, it is now a popular tourist attraction.
4. Which theory, developed by Nassim Nicholas Taleb, attempts to explain the large historical influence of hard-to-predict events, and the resulting psychological bias where they are considered to have been predictable in hindsight. Examples include the rise of the internet and the 9/11 attacks.
5. Who was the inaugural recipient of the Abel prize in mathematics, "for playing a key role in shaping the modern form of many parts of mathematics, including topology, algebraic geometry, and number theory"? He is also the youngest recipient of the fields medal.

1. BUCKINGHAMSHIRE
2. (CAMILLE) SAINT-SAËNS
3. NEUSCHWANSTEIN
4. BLACK SWAN
5. (JEAN-PIERRE) SERRÉ

Quizdle #29

by Jack Griffiths

1. Native to mountainous areas of Europe from the Cantabrian Mountains to the Caucasus, which animal of the genus *Rupicapra* has distinctive white marks on the side of its face, and pronounced black stripes below its eyes? It is a species of goat antelope.
2. From the Latin for "a falling", what term in music theory describes either a modulation or inflection of the voice; or the end of a phrase in a melody, often with a move from dissonant to consonant sound.
3. One of four thermodynamic diagrams used to describe the fall of temperature with amplitude and moisture content in the atmosphere, which diagram has temperature as the abscissa on a linear scale and pressure as the ordinate on a logarithmic scale? The diagram was first devised by Heinrich Hertz.
4. In metallurgy, which Latin word refers to an alloy of silver and lead? It is a now-obsolete word for a post-transition metal in group 14 of the periodic table.
5. *City of Night* is a novel by which author? The novel references the Cooper Do-nuts Riot of May 1959—one of the first modern LGBT uprisings in the United States—where this author was arrested. He is regarded as a pioneer of modern LGBT literature.

5. (JOHN) RECHY
4. STANNUM
3. EMAGRAM
2. CADENCE
1. CHAMOIS

Quizdle #30

by Kai

1. This French Realist artist painted many pictures of rural farmers, such as the *Gleaners*, and was fictionalised in Mark Twain's play *Is He Dead?*
2. Which video game programmer was the president of Nintendo from 2002 until his death in 2015, during which time the DS and the Wii were produced? He would later voluntarily halve his salary in response to the subpar sales of the Wii U and 3DS.
3. What volcano, which now has the largest lake in New Zealand located in its caldera, was the last eruption to register an 8 on the Volcanic Explosivity Index?
4. What genus of plants derives its name from the Latin for garlic, and includes onions, garlic, leek and chives?
5. Which Ukrainian anarchist commanded the Black Army of Ukraine during the Ukrainian War of Independence from 1917 to 1921? Following his defeat at the hands of the Bolsheviks he fled the country before settling in Paris.

1. (NESTOR IVANOVYCH) MAKHNO
2. (SATORU) IWATA
3. TAUPŌ
4. ALLIUM
5. (NESTOR IVANOVYCH) MAKHNO

Quizdle #31

by Harry Scully

1. Comprised of both writers and mathematicians, which literary movement advocated works using constrained writing techniques? Notable members include Italo Calvino and Georges Perec.
2. What name is shared between the Angel who presented Joseph Smith with the golden plates, and the capital of African country in the Indian Ocean?
3. Which scientist won the Nobel Prize for Chemistry for his synthesis of deuterium? He is perhaps better known for an experiment testing the chemical origin of life by simulating the conditions of the early Earth?
4. Anthony Doerr's third novel, Cloud Cuckoo Land, takes its title from a fictional city in the sky featured in a play by which Greek comic playwright?
5. What five letter word links a constellation representing a carpenter's set square, and an opera by Vincenzo Bellini?

1. OULIPO
2. MORONI
3. UREY
4. ARISTOPHANES
5. NORMA

Quizdle #32

by Ab Uthayakumar

1. Ismail Sabri Yaakob became this country's 9th Prime Minister in August 2021. He has held several ministerial roles for his country, including 'Minister of Defence', 'Minister of Youth and Sports' and 'Minister of Agriculture'.
2. Which Norwegian footballer is expected to join Manchester City F.C on July 1st 2022 from Borussia Dortmund? His father also played for Man City back in the early 2000s?
3. In computer science, which data type has two possible values: either true or false? It is named after a largely self-taught English mathematician, author of 'The Laws of Thought'.
4. Which property displays exactly opposite periodic trends to atomic radii? The ability of an element to attract electrons is measured by the Pauling scale.
5. Which singer, guitarist and songwriter is the founder of the Foo Fighters? From 1990 to 1994, he was a member of Nirvana. The surname is required for the answer.

5. GROH
4. ELECTRONEGATIVITY
3. BOOLEAN
2. HAALAND
1. MALAYSIA

Quizdle #33

by Tara Jackson-Rigchung

1. This man co-won the Nobel Prize for Medicine in 1996 for research in cell mediated immune disease. He shares a first name and surname with a musician who dated model Kate Moss.
2. Which saint's emblem of conversion survives on the logo of Jaegermeister?
3. Which endangered creature, often found in marshlands, is also known as a "peewit" for its high, sharp cry?
4. This first name, Germanic in origin, is shared by a prominent 20th-century Biblical scholar, the German chancellor 1982-1988, and the man responsible for bombing the UN in *Captain America: Civil War*.
5. What pen name did Georgés Remi go by? In 1929 he published the first of his serial adventures of a red-headed adventurer and his dog.

5. HERGE
4. HELMUT
3. LAPWING
2. EUSTANCE
1. DOHERTY

Quizdle #34

by Toby

1. "From the age of six, I had a passion for copying the form of things and since the age of fifty I have published many drawings, yet of all I drew by my seventieth year there is nothing worth taking into account." Which artist wrote these words in 1835 at the age of seventy-five, roughly three years after creating the series that contained his most famous landscape work?
2. What short name links the tallest mountain in the US state of Oregon; a British battlecruiser sunk during the 1941 Battle of the Denmark Strait; and the characteristic flap of skin behind the head of a cobra?
3. Sirimavo Bandaranaike, the world's first female prime minister, became Prime Minister of which Asian country for the first time in 1960? She served two more terms, beginning in 1970 and 1994.
4. What nickname of Haydn's Symphony No. 96 arose from the anecdote that a chandelier fell during its premiere, but injured no audience members as they had all crowded close to the front of the concert hall? More recent research suggests that this actually happened at the premiere of his 102nd Symphony, 4 years later.
5. Denoted KiB, what unit is equivalent to 1024 bytes, slightly larger than a kilobyte?

5. KIBIBYTE
4. MIRACLE
3. SRI LANKA
2. HOOD
1. HOKUSAI

Quizdle #35

by Nic Yelland

1. Julius Richard Petri was an assistant to this man, regarded by many as one of the fathers of microbiology. He was the first to isolate the microbes *Bacillus anthracis*, *Mycobacterium tuberculosis*, and *Vibrio cholerae*.
2. Which animal bearing the binomial name *Parus major* can be recognised from its distinctive yellow breast, blue-grey wings, and blue-black crown? They are found across Europe and central Asia.
3. Give the name of the theorem of algebraic topology which states that continuous tangent vector fields on an n -dimensional sphere must have vanishing points for even n . In the $n=2$ case, it essentially states "you can't comb a coconut".
4. The International Phonetic Alphabet uses the Greek letters ϕ (phi) and β (beta) to transcribe the fricatives made at this place of articulation. Modern Standard Arabic is notable for its lack of an unvoiced stop in this category of consonants.
5. Which weather phenomenon derives from an Arabic word meaning 'strong wind'? Similar meteorological events on Mars and Titan have been compared to the terrestrial version.

1. KOCH
2. GREAT TIT
3. HAIRY BALL
4. LABIAL
5. HABOOB

Quizdle #36

by Jack Griffiths

1. Known in French as 'la drôle de guerre', what two-word term did American journalists give to the period of inactivity from the start of World War II until the German invasion of Norway in April 1940?
2. In physics, which scientist gives their name to a formulation of quantum mechanics in which quantum mechanical operators are time-dependent, but where the state vectors are time-independent? In 1932 he was awarded the Nobel Prize "for the creation of quantum mechanics, the application of which has, inter alia, led to the discovery of the allotropic forms of hydrogen."
3. Which country's flag is the only flag to feature an image of the Bible? The flag also features a centred white cross dividing the flag into four rectangles: blue (on the hoist side) and red on the top and reversed on the bottom.
4. Which Greek capital letter denotes: i) a baryon containing one up quark, one down quark and a quark from a higher flavour generation; ii) the diagonal matrix of eigenvalues obtained during eigendecomposition and iii) a lattice in mathematics.
5. A drama by Euripides, reworked by Goethe and adapted as an opera by Gluck, concerns which of the daughters of King Agamemnon and Queen Clytemnestra, a priestess in the temple of Artemis at Tauris?

1. PHONEY WAR
2. HEISENBERG
3. DOMINICAN REPUBLIC
4. LAMBDA
5. IPHIGENIA

Quizdle #37

by Kai

1. In economics, goods named after which Norwegian economist have their demand increase with their price?
2. What word refers to geothermal hot springs in Japan, as well as the inns that usually surround them? Yasunari Kawabata's novel Snow Country is set in one of these places.
3. The first exoplanet discovered to orbit a sun-like star has the unofficial name Bellerophon, but its official name derives from the constellation its parent star is located in. Which constellation?
4. Which element, the lightest to be radioactive for all its isotopes, was given the temporary name "ekamanganese" by Dmitri Mendeleev, who predicted its existence and properties before it was discovered?
5. Other than Lichfield, which city's cathedral is the only one in England to have three spires? Constructed in 1910, it is the tallest building within its county, and is located within the county's only city.

1. VELEEN
2. ONSEN
3. PEGASUS
4. TECHNETIUM
5. TRURO

Quizdle #38

by Sam Moore

1. Which former country was the centre of a 'New Wave' movement in film in the 1960s? Examples of films include Closely Watched Trains and Diamonds of the Night.
2. What medical term refers to an examination of the back of the eye? It is also occasionally known as a funduscopy.
3. Which major reverse transcriptase inhibitor was approved by the FDA in 1987? It acted as the first antiretroviral treatment for HIV/AIDS.
4. Which gram-negative phylum is commonly referred to as 'blue-green algae' despite being a prokaryote? These are the first organisms believed to produce oxygen, resulting in the Great Oxygenation Event.
5. Which chemical acts as the primary neurotransmitter of the parasympathetic nervous system in humans? Atropine and nicotine can famously interact with its namesake receptors.

1. CZECHOSLOVAKIA
2. OPHTHALMOSCOPY
3. AZIDOTHYIMIDINE
4. CYANOBACTERIA
5. ACETYLCHOLINE

Quizdle #39

by Ab Uthayakumar

1. Which Ugandan long-distance runner currently holds the world record for both the outdoor 5000m and 10000m? Both of these records were formerly held by Ethiopian runner, Kenenisa Bekele.
2. Which organism is critical in tundra biomes in general, including alpine tundra? They have the ability to break down rock and consist of a symbiotic relationship between an alga and fungus.
3. Which liberal British prime minister shifted from strict economic policies to social liberalism? He was nicknamed the 'Grand Old Man'.
4. Which American composer wrote the 'Capricorn Concerto' for the violin which has a breakneck 'moto perpetuo' third movement? His most famous piece is 'Adagio for Strings'.
5. Which Central Asian country is home to the Karakum Desert? Its capital sounds similar to a prison in the Harry Potter Universe.

1. CHEPTEGEI
2. LICHEN
3. GLADSTONE
4. BARBER
5. TURKMENISTAN

Quizdle #40

by Tara Jackson-Rigchung

1. Give the first word in the title of the first Disney film to be inspired by a theme park ride, rather than the other way around.
2. Aloe vera, eggs, hyaluronic acid and urea are all examples of what kind of substance?
3. Writings of this narrative style are found in the winner of the Women's Prize for Fiction in 2005, the 2006 Nicholas Sparks novel which was later made into a film by Lasse Hallström, the New Testament, and Carol Ann Duffy's 'The Virgin's Note'.
4. Which port city's inhabitants are nicknamed 'Sinjoren', is the second largest metropolitan region after its country's capital, and displays many references to a giant's severed hand, including its hand-covered art gallery and hand-shaped chocolates?
5. Like the Iliad and the Odyssey, this central Asian tale which dates back to the 12th century is performed by modern bards in Tibetan, Mongolian, Buryat, Balti, Ladakhi and Monguar. Give the title in its traditional place-titular character order.

1. PIRATES
2. HUMECTANTS
3. EPISTOLARY
4. ANTWERP
5. LINGGESSAR

Quizdle #41

by Toby

1. What language can be transliterated into the Latin alphabet through Hepburn romanisation? The language in question refers to this writing system as "romaji".
2. "I don't want to be on display like an animal in a zoo. I'm not a hero of mathematics. I'm not even that successful; that is why I don't want to have everybody looking at me." Who said these words after declining the Fields Medal in 2006, having been nominated for his proof of the Poincaré conjecture?
3. Claude Monet's *Impression, Sunrise* depicts which port in Normandy, Monet's hometown? It is France's second largest port after Marseilles, and gives its name to a board game in which players trade goods and construct buildings in order to obtain money.
4. What four-letter prefix links words for the following: a behaviour or thought process characteristic of an individual; a disease or condition for which the cause is unknown or spontaneous; and any musical instrument that creates sound by vibrating itself, unlike aerophones, which vibrate air, or chordophones, which vibrate strings?
5. The 1993 Battle of Mogadishu is also known as what "incident"? The same three-word name is given to a 2001 Ridley Scott film about the battle, which won two Academy Awards and saw the film debut of Tom Hardy.

5. BLACK HAWK DOWN
4. IDIO
3. LE HAVRE
2. PERELMAN
1. JAPANESE

Quizdle #42

by Nic Yelland

1. Give the name of the genus of flowering plants whose name derived from a Tupi-Guarani language word meaning 'tobacco'. When given as a gift, they can represent both comfort with someone, and resentment.
2. The name of which sporting series derives from a satirical obituary published in The Sporting Times after an embarrassing English loss?
3. Which president was born and died in the Massachusetts town of Braintree, which has since been renamed? The new name is shared by one of his sons.
4. What word follows "alpha" in a namesake 'pruning' in computer science, which increases the efficiency of the minimax algorithm?
5. Which London street is home to the walkie-talkie, and names a non-underground station, which in turn names an urban fashion brand?

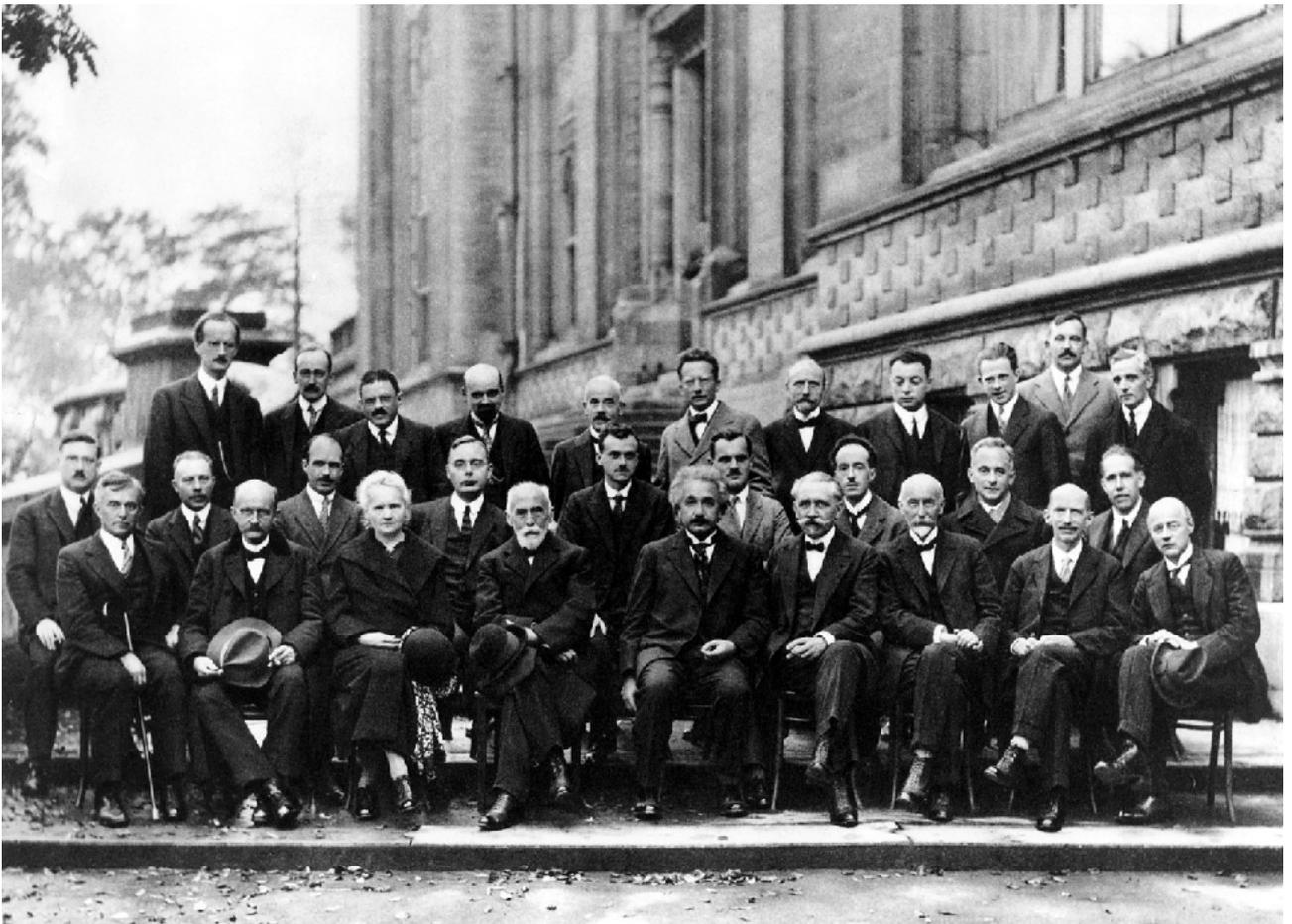
5. FENCHURCH
4. BETA
3. ADAMS
2. THE ASHES
1. PETUNIA

Quizdle #43

by Jack Griffiths

1. Located on the northwestern shore of the Black Sea, which city and municipality in Ukraine is often referred to as the "pearl of the Black Sea"? It is the third largest city in Ukraine, and is home to landmarks such as a statue of Catherine the Great, the Potemkin Stairs and a famous set of catacombs under the city's streets. I need the romanisation of the city's name from Ukrainian.
2. In computing, what does the "A" stand for in the abbreviation "ACID"? The C is for consistency, I is for isolation and D is for durability. These are a set of properties of database transactions to guarantee data validity despite errors or power failures.
3. The coniferous tree *Agathis australis* is commonly known by what Māori name? It is the largest tree by volume in New Zealand found typically in the North Island of the country. They are a nationally vulnerable species after intense deforestation in the 1800s and 1900s.
4. Literally translating from German as the 'lake of the four forested settlements', what is the fourth largest lake of Switzerland? The lake borders a canton of Switzerland of the same name. Beethoven's 'Moonlight Sonata' derives its name from an 1832 description of the first movement by poet and music critic Ludwig Rellstab.
5. Look at the image on the next page. This image was taken at the 5th instalment of which conference in 1927? The conference was named after a Belgian industrialist and philanthropist. I simply need their last name.

5. SOLVAY
4. LUCERNE
3. KAURI
2. ATOMICITY
1. ODESA



Photograph for Quizdle 43

Quizdle #44

by Nic Yelland

1. What two letters appear at the start of a root-like structure composed of branching hyphae, a protein whose related gene has a notable mutation in Belgian Blue cattle, and a rare type of coma caused by extreme hypothyroidism.
2. Give the chemical symbol of the element whose names prior to 1997 include eka-iridium and unnilennium, and whose current name derives from an Austrian-Swedish physicist involved in the discovery of protactinium and nuclear fission.
3. What is the symbol of the only currency whose name can be obtained by removing a string of three consecutive characters from the name of the country where it is used? It replaced the New Hebrides Franc in 1981.
4. In linguistic syntax, which acronym can describe around 53% of the world's languages, including English and Arabic, but excluding Japanese and Hungarian? It provides a two-way division proposed by Winfred P. Lehmann, a reduction from six.
5. Go Seigen is widely regarded as the greatest 20th century practitioner of which of the 'four arts of the Chinese scholar', originally referred to as qi? Contemporary professional practitioners include Ke Jie and Cho Chikun.

5. GO
4. VO
3. VT
2. MT
1. MY

Quizdle #45

by Michael Hutchinson

1. The current President-Elect of the Philippines, who is also the son of the dictator Ferdinand Marcos, is commonly referred to by the initials BBM with the BB standing for what?
2. What is the surname of the singer and actress who, in June 2022, became only the seventeenth person to win at EGOT (Emmy, Grammy, Oscar and Tony) after winning a Tony Award for Best Musical for their involvement in the Michael R. Jackson musical "A Strange Loop"?
3. The painting *The Raft of the Medusa* by Theodore Gericault depicts the naval frigate Meduse sinking off the coast of which country in 1816?
4. Which nation won the African Cup of Nations in February 2022? In the same year, they have qualified for the 2022 World Cup and Sadio Mane has become the nation's top goal scorer.
5. NGC 3324 is an open cluster in the southern constellation Carina and has been nicknamed after which female Chilean poet due to their apparent resemblance? This poet won the Nobel Prize for Literature in 1945.

5. MISTRAL
4. SENEGAL
3. MAURITANIA
2. HUDSON
1. BONG BONG

Quizdle #46

by Ab Uthayakumar

1. Which surname links the daughter of India's first prime minister and the primary leader of an independence movement?
2. Which Chinese mythological archer was husband of a lunar deity named Chang'e?
3. Corundum gemstones given what name are typically blue, but can be any of several colours except red, for which the term 'ruby' is reserved?
4. Male Sikhs take the name 'Singh' but female Sikhs take what name, meaning 'princess', in order to signify equality between men and women?
5. Which German neighbourhood has the largest Turkish population in Berlin? It is home to the capital's punk rock movement as well as other alternative subcultures in Germany.

5. KREUZBERG
4. KAUR
3. SAPPHIRE
2. HOUYI
1. GHANDI

Quizdle #47

by Tara Jackson-Rigchung

1. In heraldry, which word is used to refer to shades of black? It is also the name of the quieter of the tailor-hedgehog characters in the Animal Crossing series.
2. In Dungeons and Dragons, this class differs from other magical counterparts such as Sorcerer, Warlock and Wizard in that they wield divine magic in service of a higher power.
3. This Luton-raised poet's whimsical titles include *My Doggy Don't Wear Glasses*, *Glad to Wear Glasses (glad to have ears)*, and *Max Likes to be With People (but people don't like to be with Max)*. He is best known for writing poems about dogs and glasses, often performing with a mandolin. Give his surname only.
4. Which American scholar is credited for creating a method of transliterating Tibetan script using the letters available on a typical English typewriter? Give his surname only.
5. Which three-word media trope of indistinguishable origin criticises writers for treating queer characters as more expendable than their heterosexual counterparts? Use of this trope has been noted in Buffy the Vampire Slayer, Supernatural, and Brokeback Mountain.

5. BURY YOUR GAYS
4. WYLIE
3. HEGLEY
2. CLERIC
1. SABLE

Quizdle #48

by Toby

1. Extension of an elastic material, magnetisation of a ferromagnetic material, equilibria of ecological systems, and the increasing unemployment rate all exhibit what property, defined as the state of a system being dependent on its past states?
2. What name, the Latin word for amber, is given to a naturally occurring alloy of gold and silver? Also known as "green gold", it has since 1980 been the material used for the medals awarded with the Nobel Prize.
3. "He is short, very quiet, wears spectacles & has a very finely developed forehead, a hooked nose, & projecting chin." This 1855 excerpt from the diary of Queen Victoria describes which composer, in exile at the time for supporting a left-wing uprising in Dresden?
4. In 1967, which country closed down or converted all of its religious buildings, beginning a complete ban on religion until the death of its First Secretary Enver Hoxha in 1985?
5. What word, from the German for "mound", appears in the name of a type of skiing introduced to the Winter Olympics at the 1992 Games in Albertville? The word is also the secret service codename for Donald Trump.

5. MOGUL
4. ALBANIA
3. WAGNER
2. ELECTRUM
1. HYSTERESIS

Quizdle #49

by Kai

1. The last book written by this philosopher, *Ecce Homo*, contains numerous self-congratulatory chapter titles, such as *Why I am so Clever* and *Why I write such good books*. It was published in 1908, 8 years after his death.
2. Who was the youngest major candidate in a presidential election, being only 36 when he ran as the Democratic candidate in the 1896 election? He unsuccessfully ran for president two more times, and is more well known for delivering the Cross of Gold speech.
3. Which family comprises the largest family in the order Carnivora by number of extant species? Weasels, wolverines, badgers and otters are all members of this family.
4. Barnard 33, a nebula in Orion, is better known by which name, owing to its resemblance to a certain animal?
5. The Lakhta Center, the tallest building in Europe, is located in which city? Other attractions in the city include the Hermitage Museum.

1. NIETZSCHE
2. BRYAN
3. MUSTELID
4. HORSEHEAD
5. SAINT PETERSBURG

Quizdle #50

by Jack Griffiths

1. "To be, or not to be: that is the question" is an example of which rhetorical device, used to express real or pretended doubt or uncertainty? The term comes from the Greek for "lacking passage".
2. Which city—with a name literally meaning "White City"—lies on the confluence of the rivers Sava and Danube? Zoran Đinđić, the Prime Minister of the country in which this city is located, was assassinated here in 2003.
3. The system of parametric equations $x = A \sin(at + \delta)$ and $y = B \sin(bt)$ give rise to a family of curves named after which French physicist? The curves — describing complex harmonic motion — feature in paintings by Max Ernst and the title sequence of Hitchcock's film *Vertigo*.
4. In medicine, which three letter abbreviation refers to medication which is taken as needed?
5. Look at the image on the next page. You're going to see a still from a film. I need the surname of its director.

5. MCDONAGH
4. PRN
3. LISSAJOUS
2. BELGRADE
1. APORIA



Photograph for Quizdle 50

Quizdle #51

by Kai

1. Which battle of 1571 featured a large naval defeat for the Ottoman Empire at the hands of the Holy League? Miguel de Cervantes was also present at this battle, where he was wounded.
2. Which astronomer was an early proponent of space telescopes, and later gave his name to the infrared telescope that comprised part of NASA's great observatories program?
3. In 1990, Ian Brackenbury Channel was given what title by the government of New Zealand? In software this word also refers to a user interface that guides a user through a series of tasks.
4. Which genus of plants includes cabbage and mustard, along with many other crops cultivated for food?
5. Who was the top flying ace of the British empire during World War 1, with 72 victories across his career? An airport in Toronto bears his name.

1. LEPANTO
2. SPITZER
3. WIZARD
4. BRASSICA
5. BISHOP

Quizdle #52

by Alex Radcliffe

1. Which of Shakespeare's plays contains the quotes, "How sharper than a serpent's tooth it is \\ To have a thankless child!" and "Nothing will come of nothing: speak again."
2. What word can either refer to: the common name of the wading bird *Calidris canutus*; in geometric topology, an embedding of a circle into 3-dimensional Euclidean space; or a speed of approximately 1.852 km/h?
3. Which Polish author won the Nobel Prize for Literature in 1905? He is best known for his historical novels, such as *Quo Vadis*, which has spawned various adaptations into films. He sometimes went by the pen name Litwos.
4. What term describes a type of peat-accumulating wetland similar to a bog but with a higher pH, and normally a wider range of flora and fauna? This type of wetland used to cover a lot of Lincolnshire, Cambridgeshire and Norfolk until the land was drained for agriculture.
5. Which British philosopher of language is most famous for developing four maxims, called the maxims of quantity, quality, relation, and manner, which are together known as the cooperative principle. His ideas are foundational in the linguistic field of pragmatics.

5. GRICE
4. FEN
3. (HENRYK) SIENKIEWICZ
2. KNOT
1. KING LEAR

Quizdle #53

by Ab Uthayakumar

1. Which former Oregon duck took the Men's 1500m title in the USA Track and Field Championships on Saturday 25th June 2022?
2. The names of two of three muskateers in Alexandre Dumas' novel are Athos and Porthos. What is the name of third?
3. Which Indian dynasty made major contributions to art and architecture, such as the Brihadishvara Temple, built on the banks of the Kaveri River?
4. This region is home to an airport designed by Renzo Piano. It is located on an artificial island off the coast of Honshu and shares its name with the region of Honshu that contain Osaka, Kobe and Kyoto.
5. The Hubbard model also gives rise to the itinerant form of this behaviour, which arises through the Pauli exclusion principle, as fermions with the same spin cannot occupy the same level, thus lowering this energy.

5. FERROMAGNETISM
4. KANSAI
3. CHOLA
2. ARAMIS
1. TEARE

Quizdle #54

by Tara Jackson-Rigchung

1. The longest piece of literature in the world until 2018, named *The Subspace Emissary's Worlds Conquest* (over 4 million words long), was a canon-divergent piece of fan-fiction following an original character named Chris set in which Nintendo video game?
2. Look at the image on the next page. This is one of 20-canvas cycle of paintings kept in which city?
3. Which 2000 Mercury Prize winner also wrote the music for the film adaptation of an 1998 Nick Hornby rom-com starring Hugh Grant in 2002?
4. In a popular sci-fi Netflix series set in the 80s, what is the name of the basketball team at Hawkins High School?
5. Philipp Melanchthon changed his surname in 1507 from which name meaning "black earth"? This move was part of a humanist custom at the time of changing one's name to its Greek or Latin equivalent.

1. SMASH BROS
2. PRAQUE
3. BADLY DRAWN BOY
4. TIGERS
5. SCHWARTZERDIT



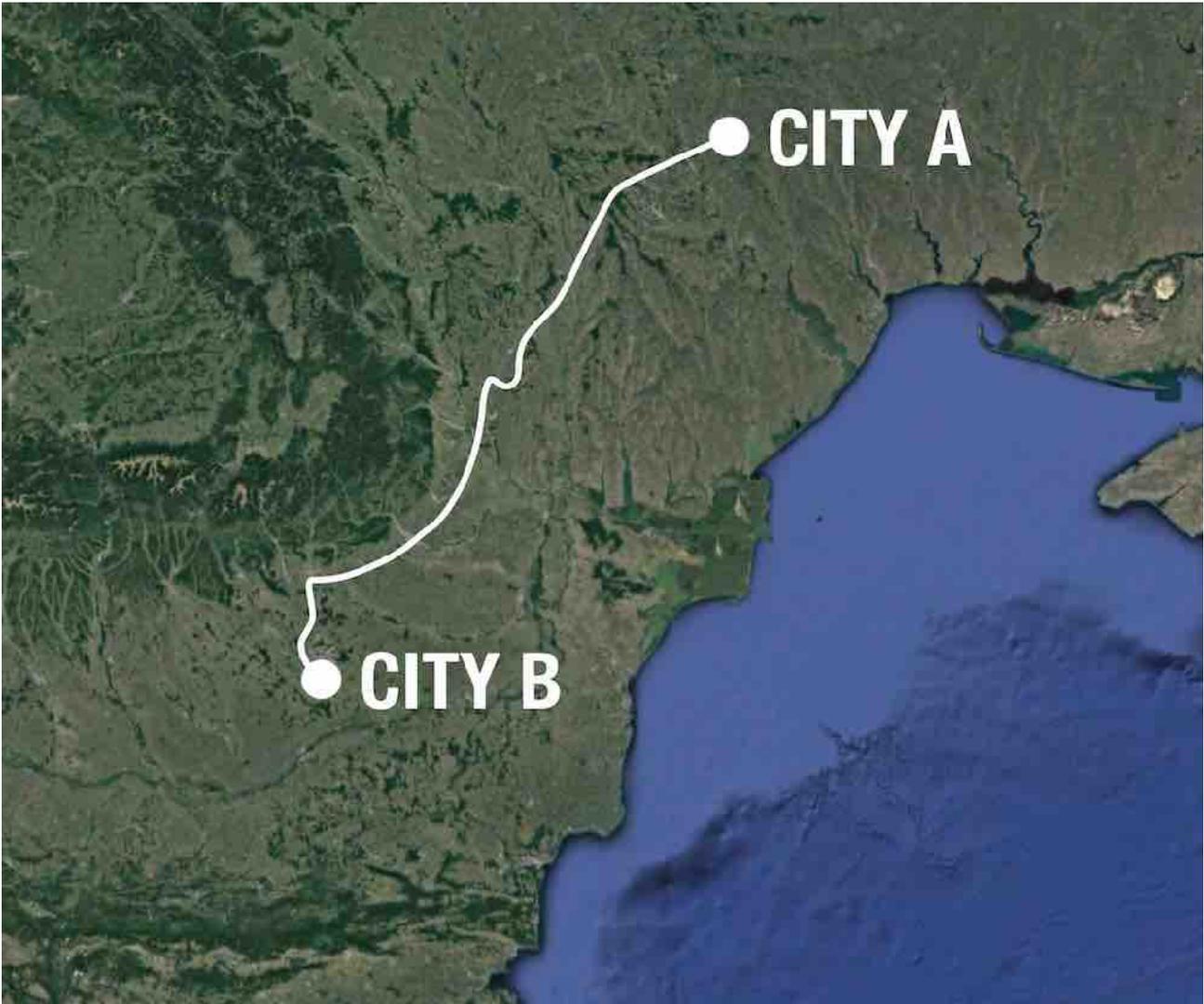
Painting for Quizdle 54

Quizdle #55

by Jack Griffiths

1. Which three-letter abbreviation is given to a class of spectroscopic techniques used to observe the local magnetic fields of atomic nuclei? First, magnetic nuclear spins are polarised in a magnetic field. Next, (usually) radio-frequency pulses perturb this polarisation which causes electromagnetic waves to be emitted from the sample. These are then detected and analysed.
2. If all the numbers on a dartboard are replaced with the letters corresponding to each number (so 1 is replaced with "a", 2 is replaced with "b", and so on), what four letter word is spelt out anticlockwise from the 12 sector?
3. This question is on lines of longitude. The 175th meridian east passes through the East Siberian Sea, Russia, the Bering Sea and the Pacific Ocean. In which country does it make landfall again?
4. Look at the image on the next page. You're going to see a train line between two capital cities. I need the name of the northernmost city marked "City A".
5. In Greek literature and mythology, what word describes a (possibly fictional) medicine used to induce forgetfulness of pain and/or sorrow? This word also gives its name to a genus of carnivorous plant.

1. NMR
2. LINK
3. KIRIBATI
4. CHISINÄU
5. NEPENTHE



Map for Quizdle 55

Quizdle #56

by Nic Yelland

1. A hypothesis named for this concept asserts that there is no set whose cardinality is strictly larger than that of the integers and strictly smaller than that of the real numbers. It also names a branch of mechanics that deals with deformable bodies, as opposed to rigid bodies.
2. Monuments and memorials to this highly influential individual include a plaque on a university building bearing her name in Kingsway, London, and a bust in Tavistock Square. She was also one of the first people to be honoured with a plaque on San Francisco's Rainbow Honor Walk, which honours notable LGBTQ individuals who 'left a lasting mark on society'.
3. Give the native name for *Lentinula edodes*, which are sold for consumption either fresh or often dried. They also have medicinal uses in the traditional medicine of East Asia, and are a common ingredient in miso soup and vegetarian dashi.
4. This word describes a class of algorithms which make only 'locally' optimal decisions, which may overall not produce an optimal strategy, but they can achieve an approximate solution in reasonable computation time. As an example, in the travelling salesman problem, such an algorithm might be described by 'visiting the closest city at every opportunity'.
5. An 1843 treaty named for this city cemented the complex arrangement of enclaves and counter-enclaves in the border town of Baarle-Hertog. A later treaty named for the same city was signed by Douglas Hurd, among others, in 1992.

5. MAASTRICHT
4. GREEDY
3. SHITTAKE
2. WOLF
1. CONTINUUM

Quizdle #57

by Toby

1. The first Asian woman to win a Tony Award, Lea Salonga, won Best Leading Actress in a Musical for her role as Kim in which musical, based on Puccini's Madame Butterfly?
2. What word, referring to the area of jurisdiction of a bailiff, appears in the full official name of Jersey?
3. What term, attributed to Carl von Clausewitz, refers to the uncertainty in military operations regarding the actions and strength of an enemy? It is commonly used in strategy games to refer to unknown elements of the battlefield.
4. Mr and Mrs White and their son Herbert are the central characters of what short story by W. W. Jacobs, which introduced a well-known supernatural object of the same name?
5. Which mathematician wrote the 1952 paper The Chemical Basis of Morphogenesis, and gives his name to a natural pattern that arises from a homogeneous, uniform state?

1. MISSAIGON
2. BAILIWICK
3. FOG OF WAR
4. THE MONKEY'S PAW
5. TURING

Quizdle #58

by Kai

1. Muchu Chhish, the tallest unclimbed mountain in the world whose ascent is not illegal, is located in the Karakoram Range in which country?
2. This Italian author wrote a book in which Marco Polo describes 55 fictional cities to Kublai Khan, as well as another in which you, the reader, attempt to read a book with the same title as that book.
3. Composed by Nobuo Uematsu, One Winged Angel is the main theme of which video game antagonist? His name was derived from the 10 attributes through which God reveals himself in the Kabbalah.
4. Look at the image on the next page. You will see a picture of some writing in a specific alphabet. I need the name of the alphabet.
5. The first discovered exoplanets were orbiting what type of celestial body? The first signal detected from one of these objects was named LGM-1, for Little Green Men, due to some speculation that these signals were alien in origin.

5. PULSAR
4. HANGUL
3. SEPHIROTH
2. CALVINO
1. PAKISTAN

조선글

한글

Image for Quizdle 58

Quizdle #59

by Jack Griffiths

1. From Greek words meaning "whole" and "form", what term denotes a complex function that is differentiable at every point on a given open set?
2. Member of Parliament for Epping Forest, U.K., since 1997, who currently serves as Deputy Speaker of the House of Commons? She is also the Chairman of Ways and Means. Her surname is shared with an art gallery in Newcastle-upon-Tyne.
3. Look at the image on the next page. You're going to see an image of a lake. I simply need its name.
4. Which Danish astronomer made the first quantitative measurements of the speed of light in 1676? The comic book superhero "The Flash" sometimes measures his speed in fictitious units named after this astronomer.
5. Excluding Corsica, what is the southernmost administrative region of Metropolitan France? Formed in 2016, it combines the former regions of Languedoc-Roussillon and Midi-Pyrénées.

1. HOLOMORPHIC
2. LAING
3. BLEED
4. ROMER
5. OCCITANIA



Photograph for Quizdle 59

Quizdle #60

by Ab Uthayakumar

1. Which novel by Charlotte Brontë features Lucy Snowe and her time in the title town?
2. This country's second-largest is home to the world's oldest grapevine and also Lake Bled. It also celebrates a festival in September known as Cows' Ball, to celebrate the homecoming of cattle.
3. Which scientist proposed a simple method for constructing molecular orbitals from a linear combination of atomic orbitals, as well as '4n+2' rule of aromaticity?
4. What name links a 2-time Grand Slam doubles champion, a 4-time Olympic medallist and a Franco-Algerian singer-songwriter, famous for her album 'Authentik'?
5. Which artist has one of their paintings show a view of London, including St Paul's, framed by an Arch of Westminster Bridge?

5. CANALETTO
4. FARAH
3. HÜCKEL
2. SLOVENIA
1. VILLETTE

Quizdle #61

by Tara Jackson-Rigchung

1. In 1965, this brand was acquired by Fender and reactivated in 1982, specialising in lower-priced versions of popular Fender guitars, such as the Stratocaster, Jazzmaster, Jaguar and Telecaster. Guitars made by this brand are manufactured in Japan, Korea, Mexico, India, Indonesia, China, and the US.
2. Which French composer wrote *Les Djinns* in 1850 as a student, named after an eponymous poem by Victor Hugo?
3. Which Austrian playwright and novelist won the Nobel Prize for Fiction in 2004? Her most famous novel is *Die Klavierspilerin*, which was adapted as an erotic psychological drama in 2001 by Michael Haneke. Give both of her names.
4. Which American quarterly magazine discusses horror films and literature? It is mentioned at the beginning the music video for My Chemical Romance's fourth single, "I'm Not Okay", alongside DnD, Audrey Hepburn, Harry Houdini and Croquet.
5. This song by a popular Japanese band signed to Sony Records is named after a Japanese onomatopoeic word denoting the sounds of percussion instruments, especially drums and bells.

5. CHAKAPOCO
4. FANGORIA
3. ELFRIEDE JELINEK
2. CAMILLE SAINT-SAËNS
1. SQUIER

Quizdle #62

by Toby

1. In 1995, which element became the first to transition into a Bose-Einstein Condensate, shortly before a similar experiment that used sodium, which is found in the same group? It has the third highest first ionisation energy after caesium and francium, and was named after the deep red colour seen in its emission spectrum.
2. The 1905 Treaty of Portsmouth ended which war? Negotiations of the treaty won Theodore Roosevelt a Nobel Peace Prize, although disapproval of the resolution in one of the belligerent nations led to the Hibiya incendiary incident, the first event of the country's Era of Popular Violence.
3. The Cretaceous period derives its name from the Latin word for what substance, abundant during its latter half? The period can be abbreviated to the letter K, which stands for the German word "kreide."
4. What animal gives its name to a type of musical canon that is played the same both forwards and backwards? A notable example of this type of canon can be found in J.S. Bach's collection "The Musical Offering."
5. What shape-shifting creatures are represented in a 30 metre tall sculpture by Andy Scott, located near Falkirk in Scotland? The creatures in question are said to live in bodies of water, and often take the form of horses.

1. RUBIDIUM
2. RUSSO-JAPANESE
3. CHALK
4. CRAB
5. KELPIES

Quizdle #63

by Nic Yelland

1. Which phrase describing monks of the Dominican order gives rise to the name of a London Underground station on the Circle & District line between Mansion House and Temple, and the nearby bridge, situated between Waterloo bridge and Millennium bridge?
2. In a novel by Georges Perec, the protagonist Bartlebooth aims to complete 500 of these objects before his death. In a film by Orson Welles, hundreds of these objects are discovered in a cellar. Give the name for one of these objects, first produced by John Spilsbury around 1769, and named for a tool used in their construction.
3. What are the following all examples of? The Japanese poem Iroha, the first message sent on the Moscow-Washington hotline, the inscription on the memorial statue of the fictional Nevin Nollop, and the answers to today's Quizdle(!).
4. Deriving from a Latin phrase meaning 'four ways', which word is used to describe the combined study of arithmetic, geometry, music, and astronomy in medieval universities, generally considered to be the foundation for the study of philosophy and theology?
5. Which genus of Late Jurassic dinosaurs bears the German name 'Urvogel'? Indeed, all twelve of its fossil specimens originate from lithographic limestone quarries in the Bavarian municipality of Solnhofen. Despite their limited distribution, they are significant as an avian-saurian transitional fossil.

5. ARCHAEOPTERYX
4. QUADRIVIUM
3. PANGRAM
2. JIGSAW PUZZLE
1. BLACKFRIARS

Quizdle #64

by Jack Griffiths

1. Which anti-war, anti-Bourgeois art movement was formed during World War 1 in Zurich, Switzerland? Notable artists of this movement include Marcel Duchamp, Man Ray and Otto Dix.
2. I need 3 letters here. In a 1928 paper on the numerical integration of partial differential equations (or PDEs), what condition (named after 3 mathematicians) is required for the numerical convergence of a PDE? It states that the step size of the temporal dimension must be less than or equal to half of the square of the step size of the spatial dimension.
3. Which four letter word is spelt out by concatenating the initials of the Australian states with capitals Perth and Darwin?
4. Around 50 miles northwest of Beijing, in the Yanqing District, which site is the most visited section of the Great Wall of China? This portion of the wall was built in the Ming Dynasty in 1504.
5. Look at the image on the next page. You're going to see a sculpture. I need the surname of the artist.

5. DALI
4. BADALING
3. WANT
2. CFL
1. DADA



Photograph for Quizdle 64

Quizdle #65

by Kai

1. Built on the site of an old Visigothic church, the Mosque-Cathedral is located within the old town of which city? The structure was registered as a UNESCO World Heritage Site in 1984.
2. What spacecraft, accompanied by the Huygens probe, orbited Saturn from 2004 to 2017, when it intentionally crashed into the planet to prevent contamination of any moons?
3. What colour links the following: the band who released the album *Lift Your Skinny Fists Like Antennas To Heaven* in 2000, a 1915 work of art referred to as the "zero point of painting", and the body of water on which Yalta lies?
4. Which prominent Louisiana senator, assassinated in 1935, was famous for his proposed *Share Our Wealth* movement, which would have capped individual wealth at \$50 million?
5. What name, the latin for "I spread", was given to a colony of quaking aspen trees that is currently accepted as being the largest individual organism by mass?

1. CORDOBA
2. CASSINI
3. BLACK
4. LONG
5. PANDO

Quizdle #66

by Bea Bennett

1. If *A Harlot's Progress* is Holmium and *The Annunciation* is Francium, what is *Venus of Urbino*?
2. A martyred saint, arguably history's first gay icon, whose wounds are best described as "stupid Cupid's weapon of choice"? He appears in a painting by Mantegna housed in the Louvre.
3. What was the codename given by Nasser on 29th Nov 1956 for Egyptian forces to take the Suez Canal, also shared by Gwyneth Paltrow in *Shakespeare in Love*?
4. Born in Cairo in 1910, this Nobel laureate's lesser known\n'singular' surname may also be found in the creases of your eye.
5. Lime, Tequila and triple sec make up the second half of a 1967 novel where the devil comes to stay?

1. TITANIUM
2. SEBASTIAN
3. DE LESSEPS
4. CROWFOOT
5. MARGARITA

Quizdle #67

by Ab Uthayakumar

1. Which surname links the author of 'The Awakening' and Four Ballades composed for the piano?
2. Which Indian mathematician, despite little formal training, made substantial contributions to number theory and studied tau and mock theta functions?
3. George Orwell coined what term, similar to cognitive dissonance, in 1984. It describes the simultaneous acceptance of two contradictory beliefs.
4. Alongside her husband, Abhijit Banerjee, and Michael Kremer, which French economist was awarded the Nobel Prize in Economic Sciences in 2019 for an 'experimental approach to alleviating global poverty'.
5. Which tennis player won his first grand slam at Wimbledon in 2003 and went on to win 19 more over an illustrious career? He is also known for his trick shot known as the 'SABR'.

5. FEDERER
4. DUFLO
3. DOUBLETTHINK
2. RAMANUJAN
1. CHOPIN

Quizdle #68

by Tara Jackson-Rigchung

1. Which Buddhist deity is the Dalai Lama believed to be an emanation of?
2. What family relation do a Canadian indie-pop band who were nominated for Best Music Act at the British LGBT awards in both 2017 and 2018, a Scottish band who released "Sunshine on Leith" in 1988, and an American rock band nominated for four Grammys in 2019, winning Best Rock Album with "From the Fires", have in common amongst their members?
3. Which guitar pedal originated in the 1920s when trumpet players found they could produce a crying tone by moving a mute in and out of the instrument's bell, a method later replicated in electronic circuitry and applied to electric guitars? Its name is onomatopoeic.
4. Which actor joined the church of scientology in 1975, later citing it as helping to cope with the death of his sixteen-year-old daughter? Give his surname only.
5. A cathedral in which city in the north-west of England is one of the only non-cruciform cathedrals in the country? It is nicknamed Paddy's Wigwam for its unusual shape.

1. CHENREZIG
2. TWINS
3. WAHWAH
4. TRAVOLTA
5. LIVERPOOL

Quizdle #69

by Toby

1. The Promenade des Anglais is located in which city on the south coast of France? The city's airport lies at one end of the promenade, and is the country's busiest non-Parisian airport.
2. A yokai that takes the form of an invisible wall that misdirects travellers at night gives its name to what logic puzzle, seen in the image below? It is sometimes localised as "Cell Structure" or "Islands in the Stream."
3. From Greek words meaning "equal" and "space", what word refers to a thermodynamic process in which the system retains a constant volume?
4. Named by Hesiod and Ovid as the "Chief of all Muses," which character in Greek mythology is the muse of eloquence and epic poetry as well as the mother of Linus and Orpheus?
5. The title figure of a novel by Pushkin and an opera by Tchaikovsky, which character originated the archetype of the "superfluous man" in Russian literature? He is an arrogant and selfish cynic who rejects the advances of Tatyana, only to fall for her at the end of the narrative after she has already married.

5. EUGENE ONEGIN
4. CALLIOPE
3. ISOCHORIC
2. NURIKABE
1. NICE

Quizdle #70

by Nic Yelland

1. The inhabitants of which island might be called 'Vectensians', deriving from the Roman name for the island, Insula Vectis? Remnants of the Roman presence on the island are found near the town of Brading.
2. Look at the image on the next page. You're going to see some text in a language native only to which island nation?
3. Which fictional island floats above the land of Balnibarbi? Many of the inhabitants form an educated elite who employ 'flappers' to strike them with sticks to prevent them from getting so lost in thought that they endanger themselves. Their absurd inventions are meant to satirise the work of the Royal Society at the time.
4. Give the name of the tadpole-shaped island that sits in the entrance to Manila bay in the Philippines. During World War II, specifically the Japanese invasion of Luzon, it was used temporarily as the location for the Government of the Philippines and the Allied headquarters for the area.
5. Which island in the Aegean sea names a mechanism dated to around 100 BC that was used to follow the motion of the Moon and Sun through the zodiac, and to predict eclipses decades in advance? It was discovered in 1901, in a shipwreck off the coast of this island.

5. ANTIKYTHERA
4. CORREGIDOR
3. LAPUTA
2. SRI LANKA
1. ISLE OF WIGHT

ශ්‍රී ලංකාව නිල වශයෙන් ශ්‍රී ලංකා සමාජවාදී ප්‍රජාතන්ත්‍රවාදී ජනරජය ලෙස හඳුන්වයි. ශ්‍රී ලංකාව සෙරන්ඩිබ්, සිලෝන්, දීප්තිමත් දිවයින, ධර්ම දිවයින, ඉන්දියන් සාගරයේ මුතු ඇටය නමින්ද හඳුන්වයි. මෙය දකුණු ආසියානු දූපතකි. එය සැබවින්ම ලෝක උරුම ස්ථාන හතක්, සැතපුම් ගණනක් රන්වන් වැලි සහිත වෙරළ, වනජීවී සහ ක්‍රීඩා උද්‍යාන සහ කඳුකර තේ වතු සහිත දූපතකි.

Image for Quizdle 70

Quizdle #71

by Jack Griffiths

1. Look at the image on the next page. You're going to see a pianist. I simply need their surname.
2. Kateryna Pavlenko, Taras Shevchenko, Ihor Didenchuk and Ivan Hryhoriak are members of which Ukrainian folk rock band? They were due to represent Ukraine in the Eurovision Song Contest in 2020 with the song *Соловей*, but instead represented the country in 2021 with the song *Шум*.
3. Commonly known as the Indian bison, which bovine is native to South and Southeastern Asia? It is the largest bovid in existence. The Red Bull logo features two of these bovines charging at each other.
4. Landimore, Oystermouth, Oxwich, Pennard, Penrice and Weobley are castles in which Area of Outstanding Natural Beauty? The region is the most westerly part of the historic county of Glamorgan and is located in the Bristol Channel.
5. Located along the southwestern coast of India, stretching along the Arabian Sea, which Indian state is home to landmarks such as Palolem Beach, Dudhsagar Falls and Basilica of Bom Jesus?

1. GERSHWIN
2. GOA
3. GAUR
4. GOWER
5. GOA



Photograph for Quizdle 71

Quizdle #72

by Kai

1. Which Portuguese genre of music, characterised by mournful tunes and lyrical content, was inscribed as an intangible cultural heritage by UNESCO in 2011?
2. The strongest storm of the 2018 Atlantic hurricane season, which hurricane was the centre of controversy when Donald Trump inaccurately said that the storm was forecast to hit Alabama? A forecast map with a crudely drawn extension in Sharpie was later shown at a presentation, coining the term "sharpiegate".
3. In West African folklore this trickster character, who often takes the shape of a spider, once attempted to store all the world's wisdom in a calabash, only to drop it and spread wisdom throughout the world instead.
4. Since its independence in 1965, the People's Action Party have been the sole ruling party of which country?
5. What is the current era of the Japanese calendar, that began upon the ascension of Naruhito to the Imperial Throne of Japan?

5. REIWA
4. SINGAPORE
3. ANASI
2. DURIAN
1. FADO

Quizdle #73

by Sam Moore

1. Which Russian author was the subject of a mock execution due to his membership of the Petrashevsky Circle? His account of the Siberian labour camps is given in 'Memoirs of the House of the Dead'.
2. Which south-east Asian capital city was the site of the Santa Cruz Massacre in 1991? The massacre arguably led to the independence of its country in 1999.
3. Campbell and Omura won the 2015 Nobel Prize in Physiology or Medicine for the discovery of which anti-parasitic drug? It traditionally treats heartworm as well as headlice.
4. Which Pacific Island nation has its capital at Alofi? The island exists in free association with New Zealand.
5. The derivatives of which aromatic compound include thymine, cytosine, and uracil, three members of a family of compounds often viewed in contrast to the purines?

1. DOSTOEVSKY
2. DILI
3. IVERMECTIN
4. NIUE
5. PYRIMIDINE

Quizdle #74

by Ab Uthayakumar

1. An early exposition of the philosophy of Love is found in this work by Plato. Aristophanes claims that Zeus cutting people in two was the origin of love in this work, which takes place at Agathon's drinking party.
2. The Mende and the Temne are the two largest ethnic groups in this country. A 2018 election saw Julius Maada Bio assume the presidency for this country.
3. EBITDA stands for earnings before interest, taxes, depreciation and what?
4. Which 18-year American athlete is the fourth fastest man in history over 200 metres, with a stellar personal best of 19.49?
5. Kerala borders this smallest Indian state by area. Residents of this state generally support using the Roman alphabet to write its Konkani language.

1. SYMPOSIUM
2. SIERRA LEONE
3. AMORTISATION
4. KNIGHTON
5. GOA

Quizdle #75

by Tara Jackson-Rigchung

1. Which currency is shared by Switzerland and Lichtenstein?
2. Which term describes films made in Italy rather than the US in the 1960s because it was cheaper?
3. Which French song is referenced in Mark Ronson and the Business International's single *Bang Bang Bang* by the lyric "je te plumerai la tête"?
4. Which 20th-century musician was good friends with John Steinbeck and associated with various communist groups? His most famous song, "This Land Is Your Land", is somewhat ironically used often as a typically patriotic American song. Give his surname only.
5. Which surname is shared by an author who won the Man Booker Prize in 1978, and a fictional character created in 1964 and nicknamed "The Man Without Fear"? Give the spelling of the former.

1. FRANCO
2. SPAGHETTI WESTERN
3. ALOUETTE
4. GUTHRIE
5. MURDOCH

Quizdle #76

by Toby

1. Gabriel's horn, a mathematical object with finite volume but infinite surface area, is sometimes known as the "trumpet" of which Italian physicist who investigated its properties in the 17th century?
2. The Carnation Revolution of 1974 successfully overthrew an authoritarian regime in which country? The day of the revolution, the 25th of April, is a national holiday in the country, known as "Freedom Day."
3. Which actor's only Oscar was for his performance as Jimmy Malone in The Untouchables, winning him Best Supporting Actor at the 1987 Academy Awards?
4. A 1597 painting located in the Uffizi Gallery depicts the head of Medusa with the face of which artist, who painted it?
5. Which city in the German state of North Rhine-Westphalia did Charlemagne make the capital of the Holy Roman Empire in 794 AD? It is also the westernmost city in Germany, lying near the borders with Belgium and the Netherlands.

1. TORRICELLI
2. PORTUGAL
3. CONNERY
4. CARAVAGGIO
5. AACHEN

Quizdle #77

by Nic Yelland

1. Give the collective term for this set of 22 things (themselves taken from a set of 78), sometimes called the 'greater secrets', the eight and eleventh of which are switched in the Rider-Waite-Smith version. In 1870, Jean-Baptiste Pitois described them as depicting scenes from ancient Egyptian initiation rites.
2. Gnitty appears in the logo of which publication? It was formerly edited by Richard Ingrams. The current editor, who has been in the role since 1986 is reportedly 'the most-sued man in English legal history.'
3. What term is shared by a subgroup associated to a group homomorphism whose image is the identity, the part of an operating system that mediates interactions with hardware, and a small matrix that dictates how nearby pixels should interact in image processing operations such as blurring and edge detection?
4. Give the common name for the butterfly *Vanessa atalanta*, which served as a nickname for the Madagascan president Didier Ratsiraka, and António Alva Rosa Coutinho, a participant in Portugal's Carnation Revolution.
5. Give the unofficial name for the European Recovery Program, which was signed into law by President Harry S. Truman in April 1948. It granted \$13 billion of foreign aid to Western European countries after the Second World War.

1. MAJOR ARCANA
2. PRIVATE EYE
3. KERNEL
4. RED ADMIRAL
5. MARSHALL PLAN

Quizdle #78

by Jack Griffiths

1. Which European river rises in the Valdai Hills of Russia, flowing through Belarus, then Latvia then into the Baltic Sea? The capital of Latvia, Riga, is split into two by this river.
2. Look at the image on the next page. You're going to see an example of neo-futuristic architecture. I need the name of the city in which it is located.
3. Which element, with atomic number 100, was discovered in the debris from the 'Ivy Mike' nuclear test — the first test of a hydrogen bomb? The element was named posthumously after the inventor of the first artificial, self-sustained nuclear reactor.
4. "It was a queer, sultry summer, the summer they electrocuted the Rosenbergs, and I didn't know what I was doing in New York." This is the first line of a book by which author?
5. As depicted in a series of paintings by Edouard Manet, which Austrian archduke and Emperor of Mexico was executed by firing squad in June 1867?

5. MAXIMILIAN
4. PLATH
3. FERMIUM
2. BAKU
1. DAUGAVA



Photograph for Quizdle 78

Quizdle #79

by Nic Yelland

1. What was declared to be 'Judenlettern' (Jewish letters) by Martin Bormann in a circular issued to all public offices in the Nazi Reich in 1941? It sees contemporary use by traditional Anabaptists when printing German texts, and occasional use in mathematics, for example when denoting Lie algebras and prime ideals.
2. What single word describes the actions preceding Set's kingship of Egypt (and the mummification of Osiris), the events of Sophocles' Antigone, and the founding of Rome? It has also been performed by Michael Corleone, T'Chaka, and Scar?
3. Austria is to Peru as Hungary is to Italy, and the Netherlands to which country?
4. Which mathematician, in a letter to Ernst Zermelo, first noted that Zermelo's axiomatic set theory could not prove the existence of the cardinal number aleph-omega? His contributions, along with the axiom of choice, would become the standard formulation of the set-theoretic foundation for mathematics.
5. The name of which almond-flavoured custard, a component of a Bakewell tart, derives from plants of the genus Plumeria that were originally used to flavour it, which in turn comes from the name of a Roman patrician family?

5. FRANGIPANE
4. FRAENKEL
3. FRANCE
2. FRATRICIDE
1. FRAKTUR

Quizdle #80

by Chloé Margaux

1. Which country speaks Monegasque?
2. Which loop is the long U-shaped portion of the tubule that conducts urine within each nephron of the kidney, recovering water and sodium chloride from urine?
3. Born in 1515, which queen is famous for being both the King's wife and his "Beloved Sister"?
4. Complete the set: Jane, Elizabeth, Mary, Kitty...
5. What is the surname of the woman with the most Album of the Year Grammy awards?

1. MONACO
2. HENLE
3. ANNE OF CLEVES
4. LYDIA
5. SWIFT

Quizdle #81

by Ab Uthayakumar

1. Which Brit took home his country's first gold medal in the men's 1500m since Steve Cram's triumph at the Helsinki World Championships in 1983?
2. If Zürich is to 'Schweizerdeutsch' and Geneva is to 'Français', what does Ticino correspond to?
3. Coacervation is a process involving the separation of which type of solution into two liquid phases? These solutions involve one substance of microscopically insoluble particles being suspended in another substance. They include aerogels, gels and emulsions.
4. What links part of a medieval castle, an Irish cream liqueur and a Jamaican footballer, currently playing for Aston Villa?
5. In the collection One Thousand and One Nights, this woman tells stories to her husband, Shahryār, so he won't behead her. One of her most famous stories is Ali Baba and the Forty Thieves.

5. SCHEHERAZADE
4. BAILEY
3. COLLOID
2. ITALIANO
1. WIGHTMAN

Quizdle #82

by Tara Jackson-Rigchung

1. Look at the image on the next page. You will see a picture of a composer. Give his surname only.
2. In 2017, this drink's vegan status was established by the manufacturers changing its filtration process, getting rid of the use of isinglass. A study commissioned by the company in 2000 estimated that 162,719 pints of the drink go to waste via facial hair, assuming 0.56 millilitres lost with each sip and ten sips to finish a pint.
3. Which guitar model first manufactured by Gibson in 1961, featuring two pointed cutaways and a vibrato system, was created without its namesake's consent and subsequently renamed the Gibson SG (Solid Guitar)? The original 1961 model is played by Jake Kiszka, who was the face of its 60th anniversary reissue in 2021.
4. Which Canadian musician and recipient of the Lifetime Achievement Award at the Grammy's pulled her entire discography from Spotify in January 2022, joining Neil Young in protest if the Joe Rogan Podcast spreading COVID misinformation?
5. In 1908, Albert Rockwell decided that the vehicles he owned as part of his business should be this colour because it was his wife's favourite.

1. MORRICONE
2. GUINNESS
3. LES PAUL
4. JONI MITCHELL
5. YELLOW



Photograph for Quizdle 82

Quizdle #83

by Toby

1. What UNESCO World Heritage Site was built in 537 AD as a Christian cathedral, converted to a mosque in 1453, designated a museum in 1935, and reclassified as a mosque again in July 2020?
2. In the 1820s, which French mathematician proposed the concept of the greenhouse effect, having calculated that the Earth's size and distance from the Sun should make it much colder than observed?
3. The supraspinatus, infraspinatus, teres minor, and subscapularis muscles make up what structure in the human body, which contributes to the stability and motion of the shoulder? A tear in the structure is a common injury among baseball and softball pitchers.
4. Which famous landmark officially has the colour "international orange," chosen by its architect Irving Morrow to enhance its visibility in fog?
5. Which American novelist and essayist unsuccessfully ran for mayor of New York in 1969? He was arrested in 1960 for stabbing his second of six wives with a penknife, and later again in 1967 for protesting the Vietnam War.

1. HAGIA SOPHIA
2. FOURIER
3. ROTATOR CUFF
4. GOLDEN GATE BRIDGE
5. MAILER

Quizdle #84

by Kai

1. Which Dutch artist's name appears alongside Gödel and Bach in the title of a work subtitled "an Eternal Golden Braid"? He was well known for his paintings of impossible objects and tessellating animals.
2. Proposed by Peccei-Quinn theory to resolve the CP problem, which hypothetical particles were named after a brand of laundry detergent due to them "cleaning up" a problem in physics?
3. What mountain is the second most prominent peak in the world? It was considered a sacred site by indigenous people, and in 1985 the preserved remains of a mummy were discovered at a site approximately 5167m up.
4. Look at the image on the next page. You will see a picture of a flag of a specific community of people. I need the name of the community.
5. These religious buildings usually feature a central hall called a Darbar Sahib, which contains the sacred book of their religion placed upon a takhat, or an elevated throne. Several of these buildings were severely damaged in Operation Blue Star.

1. ESCHER
2. AXION
3. ACONCAGUA
4. NON-BINARY
5. GURDWARAS



Flag for Quizdle 84

Quizdle #85

by Jack Griffiths

1. Now known as the Virgin Islands of the United States, the Caribbean islands of St Thomas, St John and St Croix were purchased by the USA from which country in 1917?
2. In physics, which phase is characterised by distinct layers with directional and translational order, unlike the long range order of the nematic phase? In the A-subtype phase, the molecules are oriented along the layer normal, while in the C-subtype phase they are tilted away from it.
3. Look at the image on the next page. You're going to see the skyline of a capital city. I simply need its name.
4. Born in Sheffield in 1999, which footballer started her adult career at Manchester City, and was selected as one of three goalkeepers for the England squad in the 2022 Women's Euros?
5. "Figs to fill your mouth, / Citrons from the south, / Sweet to tongue and sound to eye / Come buy, come buy." These are lines from which narrative poem by Christina Rossetti, illustrated by her brother in its 1862 edition?

5. GOBLIN MARKET
4. ELLIE ROEBUCK
3. TALLINN
2. SMECTIC
1. DENMARK



Photograph for Quizdle 85

Quizdle #86

by Kai

1. The skeleton coast comprises a section of which African desert, which may be the oldest desert in the world?
2. The highlands of this country are effectively considered a desert, as any water from precipitation seeps through the volcanic soil so quickly that plants cannot grow. The largest glacier in these highlands is the Vatna glacier.
3. The Oleshky sands are a desert located in which oblast of Ukraine? The capital of this oblast was captured by Russian troops on the 2nd of March during the ongoing invasion.
4. Which indigenous American culture was responsible for a series of glyphs in the Sechura desert of Peru, which were designated a UNESCO world heritage site in 1994?
5. Which desert has the hottest land surface temperatures in the world, with sand temperatures reaching 70 degrees Celsius between 2003 and 2010?

5. DASHTELU
4. NAZCA
3. KHERSON
2. ICELAND
1. NAMIB

Quizdle #87

by Michael Kohn

1. What word links the club song written by Martin Solveig that features in Coach Beard's episode of Ted Lasso with a hit single which formed the first track of the album 25?
2. In the Thick of It, which actor's character is grilled in an interview by Jeremy Paxman? The same actor relived the same experience by appearing on the Manchester Christmas University Challenge team in 2021.
3. The Swart family's deaths are chronicled in which Booker prize winning novel?
4. What is the name of the loch that is the deepest freshwater body on the British isles? It is near the villages of Arisaig and Malaig, from which people often travel to Skye.
5. Which person was responsible for refurbishing and expanding the second Jewish temple in Jerusalem around 20BCE which led it to be conflated with him? It was destroyed by the romans in 70CE.

5. HEROD
4. MORAR
3. THE PROMISE
2. EDWARDS
1. HELLO

Quizdle #88

by Ab Uthayakumar

1. Which material covers most of the surface of the moon? Impacts on the older surfaces of Mars do not produce meteorites, because the landscape is covered with this unconsolidated rock that lies on top of the bedrock.
2. Which city is home to the Lombard Bridge and docks connected by canal to the Alster? This city's football team plays at the Volksparkstadion.
3. Which post-impressionist painted 'The Large Bathers' as well as several versions of 'The Card Players' and numerous views of Mont Sainte-Victoire?
4. Which ancient Chinese scholar argued that humans are innately good? He is called the 'second sage' of a humanistic philosophical school.
5. Which surname links the player with the most NBA championships, the 2018 Formula 2 champion and a quarterback, the first overall pick in the 2007 NFL draft?

1. REGOLITH
2. HAMBURG
3. CEZANNE
4. MENCIUS
5. RUSSELL

Quizdle #89

by Tara Jackson-Rigchung

1. What kind of sailing ship used by Portugal was used in its colonisation efforts of the West African coast? It was used mainly in the 15th and 16th centuries shortly after its development in the 15th century.
2. Which word, with multiple meanings in different religions but no English equivalent, has its roots in a Sanskrit word meaning "hold" or "support"?
3. Which province of the Appalachian Mountain range extends through seven states, including North and South Carolina, Tennessee and Georgia? The tenth track on Fleet Foxes' 2008 self-titled album is named after this province.
4. An imperial passport of which figure, dates 1240 AD, reads, "if you defy me, you die"?
5. Which artist's illustration *The Muse's Revenge* depicts a woman in a red Dress holding a gun? Unlike his other work, which usually depicts multiple subjects, there are only two people in this illustration, the other thought to be Pablo Picasso. Give the artist's surname only.

5. MILSTEIN
4. KUBLAI KHAN
3. BLUE RIDGE
2. DHARMA
1. CARAVEL

Quizdle #90

by Toby

1. Seen on the next page, the Wiphala has been an official variant flag of which country since 2009?
2. In 1824, which poet died of disease in Missolonghi during the Greek War of Independence?
3. In a famous 1877 opera by a French composer, which biblical character who appears in the Book of Judges sings the arias "Spring begins" and "Softly awakes my heart?"
4. What functional group is characterised by an oxygen atom connected to two alkyl or aryl groups? It can be obtained from the dehydration of alcohols, or from the electrophilic addition of alcohols to alkenes.
5. What name is shared by all of the following: a set of straps attached the reins of a horse to prevent it from raising its head too high; in probability theory, a sequence of random variables for which the conditional expectation of the next value is always equal to the present value; and a gambling system of repeatedly doubling the stakes in the hopes of a net profit?

5. MARTINGALE
4. ETHER
3. DELILAH
2. BYRON
1. BOLIVIA



Flag for Quizdle 90

Quizdle #91

by Nic Yelland

1. The carpets in the establishments of which company are unique to each location? They are the subject of both a book and a colouring book. The designs often take inspiration from the varied historic purpose of the building – often banks, churches, and theatres.
2. The borough of Epsom in Surrey changed its name in 1934 to become Epsom and which large village? The district was considered for inclusion in Greater London in 1965, but this was not to be, though it remained part of the Metropolitan Police District until 2000.
3. Which multivalued function is the converse to the complex relation $f(z) = z \exp(z)$? It cannot be expressed in terms of elementary functions. Consequently, it allows concise expressions for solutions to otherwise challenging equations, such as $x + \exp(x) = 7$.
4. Give the name of the third king of the Phra Ruang Dynasty who is credited with creating the Thai script and establishing Theravada Buddhism in the Sukhothai Kingdom.
5. Look at the image on the next page to see a plot of a function that is also the function itself. Which mathematician gives his name to the formula?

1. WETHERSPOONS
2. EWELL
3. LAMBERT W
4. RAM KHAMHAENG
5. TUPPER

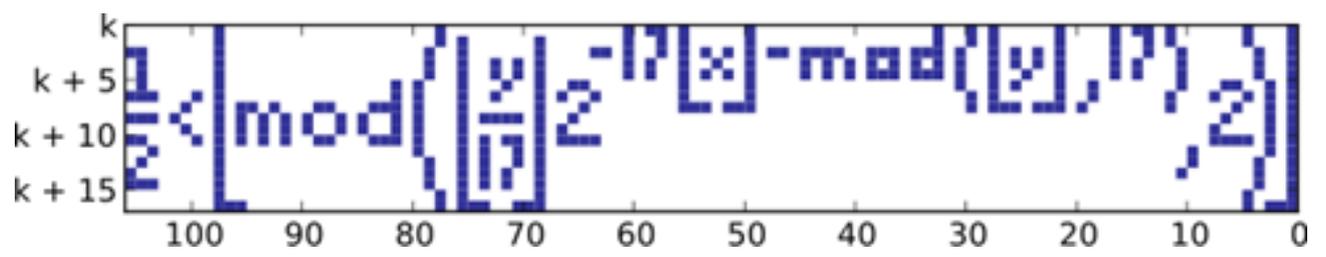


Image for Quizdle 91

Quizdle #92

by Jack Griffiths

1. "Dark Spruce Forest" painted by Edvard Munch features which type of spruce tree, named after a country? Its binomial name is "Picea abies" and is native to most of Northern, Central and Eastern Europe. It is the main Christmas tree in many countries.
2. Which Olympian deity is considered the herald of the gods in Greek mythology? His name is very similar (less a grave accent) to a French fashion company.
3. Look at the image on the next page. You're going to see a flag of a province in Belgium. I simply need its name.
4. On this day in 1794, President George Washington invoked the Militia Acts of 1792 to suppress which rebellion in Western Pennsylvania? The rebellion started in response to the taxation of this namesake product — the first tax imposed on any domestic product by the newly formed federal government.
5. What nickname is given to the female Hormone Monstress who helps girls go through puberty in the Netflix series "Big Mouth"? She is voiced by Maya Rudolph. Her catchphrases include "Get Rid" and "Bubble Bath".

5. CONNIE
4. WHISKEY
3. ANTWERP
2. HERMES
1. NORWAY



Image for Quizzle 92

Quizdle #93

by Kai

1. The Royal Site of San Lorenzo, the largest renaissance building in the world, is a palace complex better known by what name?
2. What object caused the deaths of Harry Daghlia and Louis Slotin, after they conducted unsafe experiments with it that were condemned by their colleague Richard Feynman?
3. What series of 14 artworks, which includes a picture of a dog and another of two men eating soup, was painted between 1819 and 1823 by their artist on the walls of his home?
4. Look at the image on the next page. You are going to see a picture of a pianist. I simply need his name.
5. Tsingy de Bemaraha is a geological formation of sharp limestone on which island nation?

1. ELESORIAL
2. DEMON CORE
3. BLACK PAINTINGS
4. BRUBECK
5. MADAGASCAR



Photograph for Quizdle 93

Quizdle #94

by Sam Moore and Jack Griffiths

1. Which number is the sum of four consecutive primes, the sum of the first 20 positive even numbers, the smallest number divisible by the numbers 1 to 7 and a 141-gonal number?
2. What are the first five digits of the binary expansion of π ?
3. Which decade links the following: i) the formation of the Short Parliament in England as summoned by King Charles I, ii) the fall of the Ming dynasty and iii) the formation of the Long Parliament in England as summoned by King Charles I?
4. Take the year of the Montgomery Bus Boycott in the USA, subtract the standard emergency telephone number in Europe, and then divide the result by the number of solved Millennium Prize Problems. What number is left?
5. What is the number of commandments in the Torah as listed by Maimonides?

5. 613
4. 1843
3. 1640
2. 11001
1. 420

Quizdle #95

by Ab Uthayakumar

1. What links a German footballer, currently playing for Brighton & Hove Albion, the German word for 'big' and the number '144'?
2. Which hormone is produced by many tissues in the body, primarily in the nervous and digestive systems. Its main function is to prevent the production of other hormones in your endocrine system and certain secretions in your exocrine system.
3. Which Swedish city is home to the oldest university in Scandinavia? Anders Celsius, the temperature scale inventor, worked here.
4. Which monkey son of Vayu helped Rama save Sita from Ravana in the 'Ramayana'?
5. Which operetta by Johann Strauss sees Falke lead the guests of Prince Orlofsky's ball to witness Baron Eisenstein's reconciliation? You need to type the English title and include the article.

1. GROSS
2. SOMATOSTATIN
3. UPPSALA
4. HANNUMAN
5. THE BAT

Quizdle #96

by Tara Jackson-Rigchung

1. The films *Baby Driver*, *Deadpool*, and *Everything Everywhere All At Once* all feature scenes in which kind of high-street facility?
2. Which agave-based distilled spirit cannot be called Tequila because it is produced outside of specific regions of Mexico?
3. Which philosophical concept is depicted in Adam's finger in *The Creation of Adam*? Sam Harris wrote a short book on this topic in 2012.
4. This American author, blogger, podcaster and atheist activist won his first appearance on *Jeopardy!* in April 2020. He is the co-host of the Friendly Atheist Podcast alongside Jessica Bluemke-Greiff.
5. What kind of bear, because of its sweet tooth, was Paddington bear based on?

1. LAUNDROMAT
2. MEZCAL
3. FREE WILL
4. HEMANTMEHTA
5. SPECTACLED

Quizdle #97

by Toby

1. "Nature and nature's laws lay hid in night; God said "Let Newton be" and all was light." This epitaph for Sir Isaac Newton was written by which 18th century poet?
2. Which composer wrote the 1909 opera *Elektra*? The titular character is represented by the so-called "Elektra chord," which consists of an E-major and a C#-major chord stacked on top of each other.
3. Measuring 14 miles from base to peak, the impact crater Rheasilvia is one of the tallest known mountains in the solar system and is located on which asteroid, named after the Roman goddess of the hearth?
4. The order pilosa, extant only in the Americas, contains anteaters and which other mammal?
5. Which type of mineral makes up about 41% of the mass of the Earth's crust? The orthoclase variety defines a value of 6 on the Mohs scale.

1. POPE
2. STRAUSS
3. VESTA
4. SLOTH
5. FELDSPAR

Quizdle #98

by Nic Yelland

1. The Polish word for bread is an anagram of which family name of a character from Shakespeare's Twelfth Night?
2. Which Czech city and previous capital of Moravia is an anagram of the winner of the 1954 Nobel Prize in Physics, awarded for "fundamental research in quantum mechanics, especially in the statistical interpretation of the wave function"?
3. The name of which English rock band that formed in 1991 is an anagram of a musical term describing the highlighted section of the score on the next page?
4. The first word in the German title of an 1896 tone poem by Richard Strauss is an anagram of the name of which landlocked country?
5. The Whiskey War, which ended in 2022, was 'fought' over which island? Its name is an anagram of the largest ethnic minority in Myanmar.

5. HANS
4. LAOS
3. OASIS
2. BRNO
1. BELCH

The image displays a musical score for a piano piece. The score is written in a key signature of two flats (B-flat and E-flat) and a 3/4 time signature. It consists of two staves: a treble clef staff and a bass clef staff. The music is divided into two measures. The first measure is marked with a box containing the number '17'. The second measure is marked with a 'Z' symbol. A green rectangular highlight is placed over the right-hand portion of the score, covering the final two measures of the piece. The melody in the treble clef is primarily composed of eighth and sixteenth notes, while the bass clef provides a steady accompaniment with eighth notes and some rests.

Score for Quizdle 98

Quizdle #99

by Sam Moore

1. What genetic structure can undergo lyonisation in about half the human population to form a Barr body?
2. Which mathematician wrote a pivotal paper in 1859 on the prime-counting function?
3. What biblical name - probably referencing a Canaanite god - is used in the context of prohibiting practices like child sacrifice in Leviticus? The name is repeatedly used in Allen Ginsberg's Howl.
4. What city is the sixth-largest city in Bolivia? It was previously known as Chuquisaca and La Plata.
5. What structure has a poly-A tail added to its 3'-end to increase stability from enzymatic degradation in the cytoplasm?

1. X CHROMOSOME
2. RIEMANN
3. MOLOCH
4. SUCRE
5. mRNA

Quizdle #100

by Fatima Sheriff

1. Code name "Madeleine", surname of WWII spy who was the first female wireless operator to be sent to occupied France.
2. Madeleines are what type of foodstuff? Famously consumed in In Search of Lost Time.
3. Surname of the author of A Wrinkle In Time, a delightful book you all should read.
4. City in which Madeline, the protagonist of a children's series by Bemelmans, goes to boarding school.
5. First woman to be Secretary of State in the US, first name... guess what.

1. INAYATKHAN
2. CAKE
3. LENGLE
4. PARIS
5. ALBRIGHT