

**1. This author's pen names include Captain Humbert Reynolds and Lieutenant Scott Morgan. In one of his novels, the main character's reality is altered whenever he hears the sound of typing. Another novel paints Lewis and Clark as the antagonists, and follows the attempts of the adopted youth Yellow Hair to save his tribe. The first page of another novel references the fact that as mass approaches the speed of light, (\*) time approaches zero. The aforementioned novel, To the Stars, deals with Alan Corday's experiences fighting pirates and a world that changed faster than he did due to the time dilation effect. His most famous novel deals with an attempt to use "dirty nukes" to drive the Psychlos from Earth, accidentally triggering a mass genocide. For 10 points, name this author of Typewriter in the Sky, Buckskin Brigades, and Battlefield Earth.**

Answer: L. Ron Hubbard

**2. In 1929, this man posed a problem regarding the game theoretical value of single-suit whist. A class of curves described by this man are conic in a plane and a twisted cubic in space after being intersected in  $n$  points. A discovery by this man plays a similar role to prime powers in the prime decomposition of an integer. For his doctorate at Erlangen University, he published the paper (\*) On Series at Convergence Boundaries. His notion of the primary ideal influenced a generalized form by Emmy Noether. This man analyzed his own actions in a work on the fundamentals of mastering a certain board game. For 10 points, name this man who was also the second undisputed chess world champion, beginning in 1894.**

Answer: Emmanuel Lasker

**3. The army induction for this man was dubbed "black Monday", and he was first trained at Fort Chaffee. In West Germany, he was transferred to drive for Sergeant Ira Jones. He himself was promoted to sergeant in 1960, although he returned to the US several months later. His enlistment was delayed 2 months in order to finish work on (\*) King Creole. His mother died from cirrhosis during his service, at which time he was known for holding wild parties in his room. He would meet his future wife Priscilla Beaulieu while on duty and was forbidden from performing any music during his service. For 10 points, name this entertainer who, despite being concerned that rock and roll was just a fad, released a string of hits soon after returning from the military, including Can't Help Falling in Love and Return to Sender.**

Answer: Elvis Aaron Presley

**4. This author had a column in Mental Floss which paid homage to the game Six Degrees of Kevin Bacon. One of his books, Because I Said So!, deals with the validity of parental advice designed to be passed down across generations. His book about geography, Maphead, reveals he slept with an atlas as a child in place of a stuffed animal. This author was encouraged to run for Senate from Utah (\*) by Chuck Schumer. A 2018 book by this author, Planet Funny, chronicles the rise of humor in society and a picture of him holding it has been used as this author's profile picture on Twitter. Another one of this author's books**

deals with his experiences learning seemingly useless facts, partially during his time as a software engineer. For 10 points, name this author who, as of 2020, has won the most money as a contestant in American game show history.

Answer: Kenneth Wayne Jennings III

**5. An astronomical object named after this person was first observed in 1992 and has a diameter of 2.322 kilometers. That object named after this person orbits the sun approximately every 3.9 years, and was discovered as part of the Lincoln Near-Earth Asteroid Research project. A notable part of this person's research focused on damage caused by oxidative stress. Her work was recognized by a 2nd place finishing in the 2007 Intel International Science Fair (\*) for this project, as well as winning a science fair in her home state. Her research with C. elegans revealed that drugs that combat free radicals can extend lifespan. This person initially studied science, but changed her major to economics at Boston University. For 10 points, name this US Representative from New York's 14th Congressional District known for a proposed Green New Deal.**

Answer: Alexandria Ocasio-Cortez

**6. This man wrote a set of documents entitled Nicholas Flammel, His Exposition of the Hieroglyphicall Figures, which concern his efforts to find the Philosopher's Stone. He believed the Papacy was the manifestation of the Antichrist, and based several calculations off of the year Charlemagne became Holy Roman Emperor. An unreleased section of his most famous work argued that celestial bodies are controlled by invisible, occult forces, used as a refutation against opinions held by Descartes. He rejected the Eastern Orthodox view on the existence of the Trinity, and Samuel Clarke took his side against Gottfried (\*) Leibniz in an argument surrounding the degree to which God intervenes in the world. This Fellow of Trinity College argued that a law he discovered does not indicate that the universe is a machine, while a group known as the millerians argued his ideas justified this interpretation. Many of his writings concerned drawing scientific interpretations from the Bible, while in another he wrote "I feign no hypotheses." For 10 points, name this scientist who formulated key laws regarding classical mechanics, including laws of motion and universal gravitation.**

Answer: Isaac Newton

**7. This opera's composer had been "shopping around" for titles before beginning work on it, and compared it's central story to that of "Fidelio or Tosca." A hallucination in this opera causes a character to sing the aria "I remember the Golden Country." Its first act is twice the length of the second, and ends with the song "Stars still hang in the sky" before the main characters are dragged offstage. This Lorin Maazel (\*) opera sold out its first three nights and its set consists of a single circular building that changes for each scene, including one where the central character encounters rats in a cell. Three choruses appear in this opera, where characters scream words of hatred at images of their enemies in "rallies." This opera received mostly negative reviews, including one where the central characters are said to be so thin that the humanity that was supposed to be eventually crushed under totalitarianism**

wasn't present at all. For 10 points, name this opera, an adaptation of a certain dystopian novel by George Orwell.

Answer: 1984

**8. This author's only short story contains an appearance by his own father who inquires as to whether or not the Carlton and Turf clubs still exist. A book by this author was dedicated to the staff of the Natal Government Railway, and depicts an escape during the Boer War. This author's novel Savrola takes place in the fictional country of Laurania and the toppling of its government. Most of this author's work was historical, (\*) including a history of Britain starting with Caesar invading it. This author called one of his works "not history, but a contribution to history", that work detailed a titular "crisis" and its repercussions into the 1920s. The creation of one of this author's works, the book The Second World War, was aided by the use of classified documents made available to him by his political role. For 10 points, name this Nobel laureate who represented five different constituencies in the UK Parliament, as well as serving as its Prime Minister.**

Answer: Winston Churchill (accept Sir Winston Leonard Spencer-Churchill)

**9. This composer was told to produce music that sounded like a chiropractor's office. A song by this composer titled A Familiar Taste was described as containing "profound simplicity" atop a "turbulent background." This composer, in a different music project, recorded the song "Burn" for a 1994 Oliver Stone film. A physical release by this composer added an extra hour of music as well as descriptive artwork to accompany the film (\*) Bird Box. An album recorded by this composer contains the song "Technically, Missing", with electric guitars and synthesizers being used to channel a damaged psyche. In an interview, this composer stated that he is willing to work with other filmmakers besides David Fincher. For 10 points, name this composer known for his collaborations with Atticus Ross as well as founding the band Nine Inch Nails.**

Answer: Trent Reznor (accept Atticus Ross until "Burn")

**10. Weather prediction was regarded by this scientist as "the most complex, interactive, and highly nonlinear problem." Along with a group known by the acronym CFvN, this scientist used a leapfrog time scheme and solved the Poisson equation directly to find the tendency of z in a barotropic equation that separated out its vertical component. This scientist then outlined a solution algorithm for this discovery, including specifications for computing the Jacobian and four Fourier transformations, along with time steps that took 14 punch cards each. This scientist's worked to analyze a set of equations that accounted for gravitational oscillations in (\*) quasigeostrophic potential vorticity. Due to a delay in the creation of a computer system, this scientist was invited to use ENIAC to handle data related to airflow. This scientist became interested in turbulent fluid flows in the 1930s, during a time when he was also working on lattice theory and a mathematical framework for quantum mechanics. For 10 points, name this scientist and mathematician who worked on the Manhattan Project and is considered to have created the first computer virus.**

Answer: John von Neumann

**11. This location is the home of crime lord Jameson Jericho as well as the Gallacelli brothers, all of whom marry the same woman. This location contains workers such as Menni and Netti who have no obligation to work, yet do so for their own fulfillment. It can be reached with an etheroneph and is said to have it's own Ohio River running through the town of Green Lake. The entire African American population of a certain town decides to move to this location, which contains many telepaths, including an agent with (\*) a chip in his head that enables that ability. A rifle is found to have a practical range of 200 miles in this location, where the Okarians are part of the Yellow culture. One inhabitant in this location discovers he is technically a pirate as a result of expeditions to the Schiaparelli crater. For 10 points, name this planet which is the setting of the Barsoom series and where Douglas Quaid is accused of having been to in We Can Remember it for You Wholesale.**

Answer: Mars

**12. This man was cast as the Padishah Emperor in a film adaptation of Dune, however it was never released. In one of this man's films, a character rides down the street on a bicycle wearing a nun's habit and a striped box. A film whose screenplay was written by this man starts with a documentary about scorpions, then abruptly becomes a series of scenes about a couple experiencing various interruptions while attempting to have sex. A 2003 Disney short (\*) titled Destino is a completed version of a work started by this man and John Hench. A film sequence by this man shows a man with no face and blank playing cards and reveals that a doctor died at a ski resort. A short film by this man uses title cards to show ambiguous chronology, like "sixteen years ago" and "once upon a time", and is titled Un Chien Andalou. For 10 points, name this man, whose works often contained surrealistic images, such as in his "nuclear mysticism" phase or in the form of melting clocks.**

Answer: Salvador Dalí (accept Salvador Domingo Felipe Jacinto Dalí i Domènech, 1st Marquess of Dalí de Púbol)

**13. This city is serviced by holistic physician Jonathan Hullah, who is known for his use of cunning to be able to solve challenging problems. Restaurants in this city include the Gilded Palace of Flying Burritos and the Happy Avocado. A convicted murderer is hired as a waitress from prison after committing a series of murders in this city. After 4 months travelling and studying insects, future painter Elaine Risley (\*) returns to this city to continue attending school there. Another school in this city is referred to as a "pit of burning fire" and has a bitter rivalry with Lakehurst Secondary School. Alumni of this city's largest university include Natalie Adams and Julie Powers. For 10 points, name this city home to locations like the newest location of the Chaos Theater and De Grassi Street.**

Answer: Toronto

**14. In 2011, this woman stated that she would run for prime minister of Israel. At the Occupy Wall Street protests, this woman stated that any Wall Street banker who couldn't live on less than 100 million dollars a year should be sent to re-education camps. This woman clashed with running mate Cindy Sheehan over her comments regarding Jill Stein after losing a primary to her. As this woman's home state of Hawaii (\*) does not**

allow write-in votes, she did not appear on it's ballot in the 2012 election. On the Tonight Show, this woman said that both major US political parties "suck" and that she would be running for president under the Green Tea Party. This woman was fired from a certain job due to a racially insensitive tweet about a former Obama administration senior advisor. For 10 points, name this political candidate and former star of an eponymous ABC sitcom.

Answer: Roseanne Cherrie Barr

**15. This site was described as being powered by an "on-site low carbon central plant", and Dave Muffly was hired to create a canopy over this site. This site contains an inner courtyard that resembles a rainbow, and 1000 bikes are available to traverse it. Gaps between panels at this site are at a maximum of 1/32 inches in order to resemble certain consumer products. This site is a replacement for different site, that site's address references a type of (\*) loop. This site has drawn comparisons to a spaceship, and contains a theater named after a deceased CEO. Over 8000 trees are present on this site, many of which were grown decades earlier and shipped to Cupertino. For 10 points, name this current headquarters of a certain technology company known for "Thinking Different."**

Answer: Apple Park (accept Apple Campus 2 or One Apple Park Way)

**16. This man described state endorsed religion as making "half the world fools and the other half hypocrites." A work by this man made by cutting and pasting sections from the New Testament excluded any passages portraying Jesus as divine or capable of performing miracles. He was influenced by the writings of Locke, Bacon, and Newton while at William and Mary, and initially stated that Jesus was not a Materialist, although in 1824 he stated the opposite. This man began attending church services approximately 1.2 miles (\*) down the street from his residence, which featured preachers of every form of Christianity. He refused to serve as a godparent for baptized infants, as he did not believe in the Trinity. This man used the phrase "Nature's God" in a famous pronouncement, which he drew from his study of deist philosophy. For 10 points, name this former president who coined the phrase "wall of separation between church and state."**

Answer: Thomas Jefferson

**17. This man became second lieutenant while fighting in the Aragon and Teruel fronts in Spain. In order to better fit in with an area he was policing, he got tattoos of a blue circle on each knuckle. Later, he worked as a dishwasher in French hotels as he wanted to live among those he considered poor. Htin Aung wrote about an altercation with this man that occurred in 1924, before Aung became president of Rangoon (\*) University. After being denied military service in World War II, he returned to his birth country as part of the Indian service of the BBC. As assistant superintendent in Moulmein, he was ordered to shoot certain national symbols, which tested his loyalty and eventually led to his resignation. For 10 points, name this member of the Imperial Police in Burma, where he had experiences that inspired novels critical of totalitarian states.**

Answer: George Orwell (accept Eric Arthur Blair)

**18. Books of art by this author include Drawn Blank and a book partially titled Face Value, with the rest of the title being this author's name. He wrote a poetry collection titled Tarantula, which was written in an experimental style and contains poems such as Having a Weird Drink with the Long Tall Stranger. One part of a collection he published mentions a character wearing pointed shoes and bells. After learning he had been awarded the Nobel Prize (\*) in Literature, he did not release a statement for two weeks, although he later traveled to accept it. Harvard professor Richard F. Thomas compared this man's work to that of Virgil and Homer and sought to examine his work outside of the context of modern popular culture. One of his most famous passages asks Senators and congressmen to "please heed the call." For 10 points, name this author who was recognized as creating "new poetic expressions within the American song tradition."**

Answer: Bob Dylan or Robert Allen Zimmerman (accept either)

**19. This politician worked with Jack Ma to provide more than 50,000 coronavirus test kits for a certain country in 2020. In a 2013 election, this politician changed parties to PDP-Laban in order to run for a provincial governor position. He lost his first election in 2007 to Darlene Custodio, which would represent South Cotabato. Custodio would later allege that this loss was due to voters not wanting to lose a national icon (\*) to chaotic politics. In 2016, he ran for a Senate position under the United Nationalist Alliance party, although he was urged to leave by allies who did not support party leader Jerome Binay. His victory in that election led to his name being called out very slowly, paying tribute to his most famous activity. For 10 points, name this Philipino politician and boxer who has held world championship titles across four decades.**

Answer: Manny Pacquiao (accept Emmanuel Dapidran Pacquiao)

**20. A satirical piece by this author uses a form of dimensional analysis which ends with a figure of approximately 96 million livres tournois. This author's essay The Morals of Chess deals with practical skills that can be learned from the game, and this author was inducted into the Chess Hall of Fame over 200 years later. This author coined the phrase "fish and visitors stink in three days." One of this author's essays uses the form of a speech given by a character named Father Abraham (\*) to relay advice this author had written in other works. A work this author initially titled Memoirs details personal experiences including becoming Deputy Postmaster General and life in both London and Paris. A recurring work by this author included puzzles, weather forecasts, and creative wordplay, and was published under the pseudonym Richard Saunders. For 10 points name this author, printer, politician, inventor, and current face of the US \$100 bill.**

Answer: Benjamin Franklin