

Tossups

1. Derogatively called Wiedertäufer (vee-der-TOY-fer) by theologians like Zwingli and considered heretics by Luther, this movement can be traced to the Zwickau prophets and Jan Matthys and John of Leiden. King Ferdinand declared drowning, cynically called a third baptism, to be the method of execution for them. Thomas Muentzer and others of this group started a rebellion in Münster to form a stronghold for, FTP, what group that emphasized re-baptism for adults?

Answer: **Anabaptism** or **Anabaptists**

2. It is possible to form one of these edges in the absence of gravity, such as when light is shone in the direction of uniformly accelerated particles, because the light is never able to reach the particles. To a stationary observer, as an object approaches it, redshift tends towards infinity, and the object begins to approach it infinitesimally slowly. The observer will, in finite time, receive the last photon of electromagnetic energy from the object but will never see the object pass through it. FTP, name this astrophysical object that is found at the Schwarzschild radius, the apparent surface of a black hole.

Answer: **Event Horizon** (prompt on 'black hole' before it is read)

3. It was supposed to have been divided into 12 books, although its author died shortly after the 7th book was started. Each of the 12 books represents one of Aristotle's 12 virtues in the allegory of a knight's tale. The good Una and the evil queen Duessa represent a battle between Protestantism and Catholicism, and the Redcrosse Knight represents Saint George. Gloriana, based on Queen Elizabeth, is the titular character of, FTP, what 1596 epic poem by Edmund Spenser?

Answer: The **Faerie Queen**

4. In this movie, General Buck Turgidson and President Merkin Muffley attempt to resolve the chaos created by the insane General Jack K. Ripper. Based on Peter George's work *Red Alert*, one of the most memorable scenes is when the titular character repeatedly and mistakenly calls the President "Mein Führer." Slim Pickens portrays Major King Kong, the pilot of the B-52 airplane designated to carry out Plan R, which is to destroy Russian targets with nuclear weapons. FTP, name this 1964 Cold War satiric film by Stanley Kubrick.

Answer: **Dr. Strangelove** or How I Learned to Stop Worrying and Love the Bomb

5. One of them proposed the Assembly laws *Lex Sempronia agraria*, which confiscated all lands that exceeded a 320 acre limit from citizens and redistributed it. He accomplished this by sidestepping the Senate for a vote via the Popular Assembly, and by using violence against a tribune. Both of them also proposed changing of Roman citizenship laws, further land reforms, and other populist reforms. FTP, name these 2nd century BC siblings, Tiberius and Gaius, who were murdered by order of the Roman Senate.

Answer: Tiberius Sempronius and Gaius Sempronius **Gracchus** OR the **Gracchi** brothers

6. It remained only sparsely populated until many British loyalists were expelled from the United States following the American Revolution. Andros Island produces most of the country's fresh water supply due to its springs; it is also the nation's largest island. Its climate is largely dominated by the Gulf Stream and it was heavily damaged by Hurricane Andrew. Consisting of 5000 square miles of land over 700 islands, FTP, name this nation off the southeast coast of Florida, home to the cities of Bimini, Freeport, and its capital, Nassau.

Answer: The Commonwealth of the **Bahamas**

7. Pencil and paper ready. Calculate the hypotenuse of the right triangle with the legs of length x and y where x and y are given by the simultaneous linear equations: $2x - 3y = 9$ and $5x - 11y = 5$. You have fifteen seconds.

Answer: **13** units

8. Owned by Wayne Weaver, they made a surprise run to the 1997 AFC championship after they pulled an upset against the Broncos. Under the leadership of their first coach, Tom Coughlin, players such as James Stewart, Tony Boselli, and Mark Brunell had much success through 1999, after which the team suffered a decline that ended last season, when they finished 12-4 but lost to the Patriots in a wild card playoff game. Now led by Fred Taylor and David Garrard in place of the injured Byron Leftwich, FTP name this Florida-based NFL team.

Answer: **Jacksonville Jaguars** (accept either answer)

9. One protagonist of this work sabotages the relationship of the other main character with Allie Cone, who is later killed by the latter out of jealousy. Chamcha, a voiceover specialist, and Farishta, a Bollywood movie star, are on a flight to England when the plane explodes, but the protagonists are magically transported to the ground unharmed. Farishta assumes the personality of the Archangel Gibreel, and Chamcha becomes a satyr, who later evolves into a devil. Visions interspersed in the novel include stories of an Imam and a controversial retelling of the life of Muhammed. FTP, name this novel that resulted in a fatwa against its author, Salman Rushdie.

Answer: The **Satanic Verses**

10. It was precipitated by William Cosby, as governor of New York, illegally seizing land, inflating his salary, and stripping the salaries of others. Many citizens became infuriated, and William Smith and James Alexander began to anonymously satire Cosby in several caustic editorials in the *New York Weekly Journal*. Because of this incident, the term "Philadelphia lawyer" has entered the English language, as Alexander Hamilton successfully won a court case when Cosby brought libel and sedition charges against the namesake publisher of the journal. FTP name this landmark 1734 court case regarding the freedom of press.

Answer: The James Peter **Zenger** Case or Trial (accept other equivalents)

11. This theory was originally proposed in 1954 by Ernst Mayr. It says that in large interbreeding populations, new and possibly advantageous mutations are diluted by the sheer size of the population, but when small segments of the population find themselves on the periphery of the environment, new challenges will amplify these natural changes. Opposed to phyletic gradualism, FTP, name this evolutionary theory that posits periods of rapid evolution interspersed between periods of little adaptation, first laid out by Niles Eldredge and Stephen Jay Gould.

Answer: **Punctuated Equilibrium**

12. After briefly attending Julliard, he dropped out to work under Charlie Parker, with whom he participated in many of Parker's bebop masterpieces. Early albums such as *Sketches of Spain* and *Miles Ahead* feature him playing flugelhorn instead of his more trademark trumpet, and his album *Bitches Brew* became his first Gold Album and one in which he began experimenting with jazz-rock fusion styles. "Freddy Freeloader" was perhaps the most famous song of, FTP, this legendary jazz trumpeter known for the album *Kind of Blue*.

Answer: Miles Dewey **Davis** III

13. This character, a lawyer who recently became a bank manager, offers a job to Mrs. Linde early in work in which he appears. To pay for the Italian trip during this character's recovery, his wife lied about receiving the money from her father and actually forged her father's signature to obtain a loan from Krogstad. The conflict arises when this man seeks to fire Krogstad, not for immorality, but his overly familiar behavior, and the truth about the money is revealed. FTP, name this Henrik Ibsen character who gets walked out on, the husband of Nora in the play *A Doll's House*.

Answer: **Torvald** Helmer

14. This principle was first studied by Thorndike observing cats escape from puzzle-like cages, which led to his Law of Effect. Extinction refers to the lack of any consequence according to this principle, and factors like satiation and immediacy can influence the desired responses to positive or negative reinforcement or punishment. B.F. Skinner also studied this procedure with his namesake boxes. Defined as the use of consequences to modify behavior, FTP, identify this form of psychological conditioning opposed to the Pavlovian, or classical kind.

Answer: **Operant Conditioning** or **Instrumental Conditioning** or **Instrumental Learning** (do not accept 'Classical Conditioning'; prompt on 'Conditioning')

15. During this period, large amounts of land were distributed to poor farmer families and soldiers by the Hongwu Emperor. This dynasty was founded by Zhu Yuanzhang, who rebelled against the Mongol rulers to establish the last ethnically Han-ruled dynasty of China, during which Zheng He's naval fleet made notable voyages from 1405-33. FTP, name this dynasty that built the current Great Wall of China and ruled from 1368 to 1644, when it was replaced by the Qing [ching] Dynasty.

Answer: **Ming** Dynasty

16. According to the *Skaldskaparmal*, this item was created by the brothers Sindri and Brokk using a pig's skin, Odin's ring, gold, iron, and blood, all combined in a forge. In one poem, it is stolen by a giant Thrymr, who demands a fair maiden goddess as ransom. At the scheduled wedding banquet the goddess is revealed to be this item's owner, who subsequently uses it to smash Thrymr. FTP, name this famous weapon in Norse myth that creates lightning when thrown and belongs to the god of Thunder.

Answer: **Mjolnir** (M-YOLE-ner) or **Thor's hammer** (accept reasonable equivalents)

17. This region was originally located on Chickasaw land that, prior to the Civil War, consisted of several large plantations such as those of Louis Granier, McCaslin, and Colonel Sartoris. It is bounded by the Tallahatchie River and its namesake river, with the county seat at Jefferson. Among its famous residents are the neurotic and necrophiliac Emily, the terminally ill Addie Bundren, the naive college student Temple Drake, and the mentally retarded Benji Compson. FTP, name this fictional county in Mississippi that is the locale for many stories by William Faulkner.

Answer: **Yoknapatawpha** county (pronounced "yok'na-pa-TAW-pha," accept close pronunciations)

18. The Sackur-Tetrode equation gives the entropy for one of these substances, and there are generally considered to be three types: the quantum Fermi, quantum Bose, and the classical Maxwell-Boltzmann variety. The Boltzmann distribution gives the probability distribution for the velocity or energy of their particles. When the expression for their internal energy is divided by the constant $C \sub V$, a pressure-volume relationship for them is established to give their namesake law: $P \text{ times } V \text{ equals } N \text{ times } R \text{ times } T$. FTP, name this hypothetical substance that behaves more perfectly than a real gas.

Answer: **Ideal Gases**

19. In works such as *The Concept of Anxiety* and *Practice in Christianity*, he occasionally wrote seemingly contradictory statements. His early works railed against the overemphasis of rationality and Hegelism, against which he argued for a more subjective definition of truth in works such as *Concluding Unscientific Postscript*. The author of a work about Abraham's willingness to sacrifice Isaac, *Fear and Trembling*, FTP name this Christian existentialist philosopher, the Danish author of *Either/Or*.

Answer: Søren Aabye **Kierkegaard**

20. This man was briefly the chair of the 9-11 commission, resigning in December 2002 after only a month, and Christopher Hitchens has written a book denouncing his "crimes." He pursued friendly relations with Yahya Khan of Pakistan and Jorge Videla of Argentina, and more famously with Pinochet in Chile, but is best known for engineering SALT and improving U.S. relations with China. Perhaps the only high ranking official not linked with Watergate, FTP identify this Secretary of State under Richard Nixon, with a famous German accent.

Answer: Henry **Kissinger**

21. Before their move to Malta, this island was home to the Knights of St. John. During the Peloponnesian war, this island's three largest cities combined, and in 305 B.C. the Diodoch Demetrios Poliorketes built the Helepolis, a 105 ton siege tower, to capture its main city. It was sacked by Cassius in 42 B.C, although a 227 B.C. earthquake had already destroyed its most famous object. FTP identify this Greek island on which, with the scrap metal from the Helepolis, a famous colossus was built.

Answer: **Rhodes**

Bonuses

1. FTPE, given characters in an Ernest Hemingway novel, identify it.

Jake Barnes, Brett Ashley

Answer: The **Sun Also Rises**

Pilar, Maria, Robert Jordan

Answer: **For Whom the Bell Tolls**

Catherine Barkley, Frederick Henry

Answer: A **Farewell to Arms**

2. FTPE, identify the following about the origins of the French Revolution of 1789.

Abbé Emmanuel Joseph Sieyès argued for the strengthening of this group of people in the influential pamphlet that asks "what is..." this group.

Answer: the **Third Estate** (title is *What is the Third Estate?*)

On June 20, 1789, the Third Estate was locked out of their normal meeting place by guards of Louis XVI, so they met for this event, where the representatives swore to never disassemble until a constitution had been written.

Answer: **Tennis Court Oath**

Sensing possible signs of a royal coup, partisans took measures into their own hand and stormed this building on July 14, seizing it and executing its governor, Marquis Bernard de Launey.

Answer: **Bastille** Saint-Antione prison

3. FTPE, answer the following about a famous physicist.

He developed a famous law of cooling, and his namesake type of fluids follow a linear stress-strain relationship.

Answer: Sir Isaac **Newton**

This law of Isaac Newton gives the definition for the derivative of the momentum vector.

Answer: Newton's **2nd** law of motion ($F = ma$)

Newton developed a prototype of an electrostatic generator which used a glass globe. This Princeton scientist developed a later electrostatic generator, still used in teaching labs today, that bears his name.

Answer: Robert **Van de Graaff**

4. Answer the following about the He-Man of Ancient Greece, Heracles, FTPE.

The first of his famous 12 Tasks, he had to skin this beast that had skin that was impenetrable by weapons. He wrestled it, stuck his arm down its throat to choke it, and then skinned it with his own claws.

Answer: **Nemean lion**

In the fifth of his labors, Heracles was required to clean out these structures that were occupied by divine horses that were immune to disease and belonged to the king of a certain principality.

Answer: **Augean stables**

The eighth of Heracles' labors was to steal the man-eating horses from this giant king, who was eventually eaten by the horses. Another Greek myth character of this name wounded both Aphrodite and Ares in *The Iliad*.

Answer: **Diomedes**

5. Given the assassinated person, name the assassin for 10 points each.

John Lennon

Answer: Mark David **Chapman**

John F Kennedy (excluding conspiracy theories)

Answer: Lee Harvey **Oswald**

Lee Harvey Oswald

Answer: Jack Leon **Ruby** (also accept his birth name Jacob **Rubenstein**)

6. Name the British poem given famous lines, FTPE. If you need the author, you'll get five.

[10] "Far from the madding crowd's ignoble strife/
Their sober wishes never learned to stray/
Along the cool sequestered vale of life/
They kept the noiseless tenor of their way"

[5] Thomas Gray

Answer: Elegy Written in a Country Churchyard

[10] "He prayeth best who loveth best/
All things both great and small/
For the dear God who loveth us/
He made and loveth all"

[5] Samuel Taylor Coleridge

Answer: Rime of the Ancient Mariner

[10] "Beauty is truth, truth beauty – that is all /
Ye know on Earth, and all ye need to know."

[5] John Keats

Answer: Ode on a Grecian Urn

7. Answer the following questions about reverends who may or may not have been so reverent, FTPE
Ordained as an Anglican parson, he developed a very pessimistic view of humanity and economics in his
Essay on the Principle of Population

Answer: Reverend Thomas Robert Malthus

Also ordained an Anglican, he had a noticeable fondness for young girls, and he wrote about young
female protagonists in works such as *Through the Looking-Glass*

Answer: Lewis Carroll OR Reverend Charles Lutwidge Dodgson

Although not ordained, he studied to be an Anglican minister, but was more famous for his voyage on
the *H.M.S. Beagle*.

Answer: Charles Darwin

8. FTPE, answer the following questions about classical music.

Known as the "Red Priest," he was a priest, composer, and violinist. He composed the *Gloria e Imeneo*
as a wedding cantata for Louis XV.

Answer: Antonio Vivaldi

Most famous for this work, Vivaldi composed 4 violin concertos and also wrote 4 sonnets to go along
with them. Penned in 1723, each concerto has 3 movements, with some of the movements representing
actions such as a tempestuous thunderstorm.

Answer: The Four Seasons or Le Quattro Stagioni

Set to choir and orchestra, Vivaldi also composed music for this piece named for the beginning of the
doxology of the Roman Catholic Mass.

Answer: Gloria in Excelsis Deo in D Major

9. Given a description of a functional group in organic chemistry, identify the group, FTPE.

In this class of compounds, a hydroxyl group, or OH, is bonded to a carbon chain. They are denoted
with the suffix -ol, such as ethanol.

Answer: Alcohol

On a carbon chain composed otherwise of single bonds, the occurrence of a triple-bond between two of
the carbons makes it this sort of organic compound.

Answer: Alkyne

Often formed from the dehydration of alcohols, it is a carbon chain connected to a second carbon chain
by an oxygen bridge. The diethyl kind is a notable anesthetic.

Answer: Ether

10. Answer the following questions about Supreme Court precedents given clues, FTPE.

This 1965 case served as a precedent for the *Roe vs Wade* decision. It recognized a constitutional right to privacy, and overturned a Connecticut law criminalizing the sale of contraceptives.

Answer: **Griswold** v Connecticut (order of names doesn't matter for any parts)

This landmark 1966 case ruled that criminals must be informed of certain rights upon their arrest, now named for the plaintiff in this case.

Answer: **Miranda** v Arizona

This 1963 case preceded the *Miranda v Arizona* decision by three years; it held that statements made to police were inadmissible if a suspect was not allowed to have a lawyer present.

Answer: **Escobedo** v **Illinois**

11. How well do you know your Japanese poetry? Identify the following about it FTPE

This seventeen syllable form has lines of 5, 7, and 5 syllables.

Answer: **Haiku**

This author of *The Narrow Road to the Deep North* is perhaps the most famous Japanese poet

Answer: **Basho** Matsuo

This Japanese poetic form consists of a series of alternating verses written by two different poets.

Answer: **Renga**

12. Identify the following about a prominent anthropologist, FTPE.

Author of *Sex and Temperament in Three Primitive Cultures* and *Growing up in New Guinea*, she was the predominant American anthropologist for over half a century and produced several very controversial works.

Answer: Margaret **Mead**

Margaret Mead's most famous work is this piece that studied why teenagers on the titular Pacific island formed very close-knit communities because of societal pressures and promiscuous casual sexual practices.

Answer: **Coming of Age in Samoa**

One of Mead's advisors was this man, the "Father of American Anthropology," who published his *Mind of Primitive Man*.

Answer: Franz **Boas**

13. Identify the answers to the following related questions FTPE.

Eastern Orthodox and Catholic Bibles include the apocryphal stories of *Bel and the Dragon* and the *Song of the Three Jews* in this book of the Bible that follows Ezekiel in the Protestant ordering of the Hebrew Bible.

Answer: Book of **Daniel**

The *Book of Daniel* is also the name given to a 1971 semi-historical novel by this man. He also wrote *The March and Ragtime*.

Answer: E(dgar) L(aurence) **Doctorow**

Doctorow's novel is a loose historical account of this pair of cold war spies for passing nuclear weapon secrets to the Soviets.

Answer: Julius and Ethel **Rosenberg** or the **Rosenbergs**

14. Answer the following questions about a famous scientific theory from the early 20th century, FTSNOP.

After noticing that fossil collections seemed to indicate similar species on multiple continents, Alfred Wegener proposed this theory, updated by the modern theory of plate tectonics, which proposed that the continents were separated by centrifugal forces caused by the earth's rotation.

Answer: **Continental drift**

Based on Wegener's theories and plate tectonics, geoscientists proposed that there was once this large supercontinent, which broke up 180 million years ago, that included all land now part of the modern continents.

Answer: **Pangaea**

[5/5]: For five points each name the two proposed continents that Pangaea subsequently broke up into.

Answer: **Gondwanaland** and **Laurasia**

15. Answer the following related art questions FTPE.

This American art school, named for a prominent geographical feature, was a group of landscape painters such as Jasper Cropsey and Asher Durand. It is also sometimes called luminism.

Answer: **Hudson River** school

This artist is generally credited as the founder of the Hudson River school, and he is known best for his *Course of Empire* series of paintings. He also appears in Asher Durand's *Kindred Spirits* with William Cullen Bryant.

Answer: Thomas **Cole**

This member of the school was known for his paintings of exotic lands such as *The Falls of Tequendama*, *Heart of the Andes*, and *Cotapaxi*. He is also known for a painting simply called *Niagara Falls*

Answer: Frederick Edwin **Church**

16. Pencil and paper ready. When dealing with complex numbers, De Moivre's Theorem is very useful. FTPE, calculate the following, and give each answer using rectangular coordinates.

$[\sqrt{2}/2 + i * \sqrt{2}/2]^4$ [read: quantity of square root of 2 divided by 2 plus i times square root of 2 divided by 2, quantity closed, raised to the fourth power]

Answer: **-1**

$(8 + 3i)(2 + 5i)$ [read: quantity of 8 plus 3 times i, quantity closed, times the quantity 2 plus 5 times i]

Answer: **1 + 46i** [1 plus 46 times i]

All or nothing, give all four of the possible fourth roots of 1.

Answer: **1, -1, i, and -i** [one, negative one, i, and negative i]

17. For five points each, and an additional 5 points if all answers are correct, identify the capitals of these African nations.

Somalia Answer: **Mogadishu**

Zimbabwe Answer: **Harare**

Sudan Answer: **Khartoum**

Liberia Answer: **Monrovia**

Nigeria Answer: **Abuja**

18. Answer the following about an author FTPE.

This South African won the 1991 Nobel Prize for Literature, as well as the 1974 Booker Prize. She is known for novels like *A Guest of Honor* and *Burger's Daughter*.

Answer: Nadine **Gordimer**

This is the novel for which Gordimer won the Booker Prize. It reflects the decay of South Africa through the internal dialogues of Mehring, the title figure who wants to maintain his soil and apartheid.

Answer: The **Conservationist**

This Gordimer novel portrays a sort of post-apocalyptic scenario. It follows the attempts at survival by the white family, Bamford and Maureen Smales, in a possible future South Africa that has had a revolution by radical black extremists.

Answer: **July's People**

19. The Germans have a knack for sitting around and thinking about things. FTPE, identify the philosopher.

This man, considered the greatest German philosopher, credited David Hume for awakening him from a "dogmatic slumber," and wrote works such as the *Critique of Pure Reason*.

Answer: Immanuel **Kant**

This German combated psychologism and broke away from the positivism of the 19th century, and is regarded as the "Father of Phenomenology." Works include the *Philosophy of Arithmetic* and *Logical Investigations*.

Answer: Edmund **Husserl**

One of the most influential philosophers of the 20th century, most of his work centers on logic, epistemology, philosophy of language, and the philosophy of the mind. He wrote the *Tractatus Logico-Philosophicus*.

Answer: Ludwig **Wittgenstein**

20. For 10 points each given lyrics, and 5 if you need the original artist, name the ORIGINAL song which is parodied by Weird Al in the lyrics given.

[10]: "As I walk through the valley where I harvest my grain/ I take a look at my wife and realize she's very plain/ But that's just perfect for an Amish like me/ You know I shun fancy things like electricity"

[5]: Coolio

Answer: **Gangsta's Paradise**

[10]: "All of my action figures are cherry/ Steven Hawkings in my library/ My MySpace page is all totally pimped out/ I got people begging for my top 8 spaces/ Yo I know Pi to a thousand places/ Aip't got no grills but I still wear braces"

[5]: Chamillionaire and Krayzie Bone

Answer: **Ridin'** (Dirty)

[10]: "'You're gonna lose your mind watching TV/ They told me, cajoled me, 'Turn off that Oprah Winfrey show' (no)/ I got it on C-SPAN, TV-Land, and HBO/ The Learning Channel and MTV and Lifetime"

[5]: Eminem

Answer: **Lose Yourself**