

TOSSUP 1

Questions settled here include the separation of Easter from Passover, the Meletian schism, and the Arian heresy. The decision was eventually made to define Christ as homoousios (ho-mo-OOH-see-ohs), or consubstantial, meaning "of the same substance as the Father". To further strengthen this doctrine, a creed was written that bears this council's name. FTP name this early ecumenical council of the Christian church.

First Ecumenical Council of Nicaea (prompt on Nicaea, accept First Nicaea)

BONUS 1

FTPE name these other Christian church councils.

- 10: The most recent council, its main achievements include steps toward interdenominational reconciliation and decrees on the relation of the Church to the modern world.

Second Vatican Council (accept Vatican Two or other variants)

- 10: In addition to confirming the Biblical canon for Roman Catholics, this council began the Counter-Reformation with measures designed to halt the spread of Lutheranism and Calvinism.

Council of Trent

- 10: The doctrine of monothelism was repudiated at this council, meaning that Christ had two wills, both human and divine.

Third Council of Constantinople (prompt on Constantinople or Council of Constantinople, do not accept Istanbul)

TOSSUP 2

He managed to run away in 1821, but returned because he believed he had instructed by God to return to his "earthly master." Four years later, he believed that blood he found while reaping corn was a symbol from the heavens. He was finally convinced that he must lead a revolution after seeing an eclipse, though he became ill when the insurrection was to occur. FTP, name this man, who led a slave rebellion in Southampton, Virginia resulting in the death of 55 white people.

Nat Turner

BONUS 2

FTPE, name these other famous slave rebellions.

- 10: This rebellion consisted of more than 9000 slaves, but was betrayed before it could be executed.

Denmark Vesey's Rebellion

- 10: This insurrection in 1739 was the largest before the American Revolution and resulted in harsher slave laws.

Stono Rebellion

- 10: He planned a rebellion to take over Richmond, but his plan was postponed because of rain.

Gabriel Prosser

TOSSUP 3

The Ottomans won their only battle of the war at Vevi in November, as the Greeks didn't expect a counterblow from the previously immobile Turks. Greek fleets won the naval battles in the Aegean, with the assistance of the first use of naval air units. The main battles, fought throughout Turkish Macedonia, culminated in Bulgarian victory at Adrianople and that of the Greeks under Crown Prince Constantine at Bizani. FTP name this war of the early 1900s, an immediate precursor to the First World War in which the Ottoman Empire was bested by a coalition of Greece, Serbia, Bulgaria, and Montenegro.

First Balkan War

BONUS 3

Those Young Turks took over the Ottoman government after the defeat of the First Balkan War. FTPE name these people associated with the Young Turk movement.

- 10: Later to be called Ataturk, Father of the Turks, he led the uprising in Constantinople late in the war that unseated the previous government of Kiamil Pasha.

Mustafa Kemal Pasha

- 10: The Sultan from which the Young Turks seized power in 1908, he was one of the most oppressive and authoritarian sultans yet seen in the Empire.

Abdulhamid II (prompt on Abdulhamid)

- 10: The 100th Islamic Caliph and 36th and final Sultan of the Ottoman Empire, he was dethroned by Mustafa Kemal's constitutionalists due to failures in the Greco-Turkish War of 1919-22.

Mehmed VI

TOSSUP 4

This country, a Constitutional Monarchy headed under Albert II Guy Verhofstadt, currently has 11 million inhabitants. However, when an 1839 treaty signed by Britain, Austria, Prussia, Russia and France declared it a "perpetually neutral state", it had only six hundred thousand people. The Germans derided that same treaty as a "scrap of paper" in 1914 when they invaded, FTP, what country created in 1830 under Leopold of Saxe-Coburg-Gotha?

Belgium

BONUS 4

Name these famous cities of the Low Countries. FTPE.

- 10: This was once Belgium's smallest city, now its capital.
Brussels
- 10: This Dutch port was the largest in terms of annual shipping tonnage passed through until 1994, when Singapore claimed that title.
Rotterdam
- 10: This is the largest city on the Schelde River, located only 9 miles from Ghent.
Antwerp

TOSSUP 5

Their name means "ore former" in Greek, due to their propensity to form such ores as pyrite and telluride. The highest oxidation number possible in this group is +6, but most elements in the group have oxidation number -2. The lighter elements in the group are nonmetals, but the heavier elements are metalloid semiconductors. FTP, name this group of the periodic table, which contains such elements as polonium, selenium, and oxygen.

Chalcogens (accept group 16, 7B)

BONUS 5

FTPE, name these other groups on the periodic table from the elements they contain.

- 10: Barium, strontium, radium
Alkaline earth metals (accept group 2)
- 10: Astatine, iodine, bromine
Halogens (accept group 17, 7, 7A)
- 10: Copper, silver, gold
Noble metals (accept coinage metals, group 11)

TOSSUP 6

On October 9th, 2004, a man off the coast of Lake Michigan caught one. In July 2005, one was spotted in the waters of Flushing Meadows Park in Queens, New York. These predatory fish are of the family Channidae and can reach a length of more than a meter. FTP, give the common name of these fish, which became infamous in the United States because of sightings at Crofton, Maryland in 2002 and are considered an invasive species.

Snakehead fish

BONUS 6

BONUS FTPE identify the following invasive plants.

10: This vine native to Japan is now considered invasive to the Southeastern United States because it completely envelops trees with its leaves, crushing branches and sometimes killing the entire tree.

Kudzu

10: Considered an invasive species in the US, Germany, France, and Belgium, this phototoxic plant forms purplish scars on contact, which can last several years.

Giant hogweed

10: This invasive grass in the Midwest United States regrows incredibly quickly after fires, and frustrates ranchers because it out-competes other grasses due to its resistance to trampling and grazing while having little nutritional value.

Drizzling Brome (accept Downy Brome or Cheatgrass)

TOSSUP 7

It was one of the highest-altitude conflicts ever, fought at over 14,000 thousand feet. Richard Nixon once upset Indira Gandhi by recommending that she read a book about it. Premier Zhou Enlai refused to recognize the border established by the British McMahon line, and eventually his country retook the regions of Aksai Chin and South Tibet. After victory, however, the Chinese withdrew and returned South Tibet, which became the state of Arunachal Pradesh. FTP, name this war started by territory disputes between the two most populous countries in the world.

Sino-Indian Border War or Bharat-Chin Yuddha or Zhong Yin Bianjing Zhanzheng

BONUS 7

FTPE, name regions near the area disputed in the Sino-Indian war.

10: This is the least populous and second smallest Indian state.

Sikkim

10: Ethnic minority groups comprise 60% of the population of this Chinese province with capital at Urumqi.

Xinjiang (prompt on Chinese Turkestan or East Turkestan)

10: The Siliguri Corridor, also known as the Chicken's Neck, connects this state to the rest of India.

Assam

TOSSUP 8

The titular character's relatives attempt to force her into marrying a man against her will. She runs off with Lovelace, a young man who wants to add her to the list of women he has seduced. However, she doesn't want to marry anyone, instead longing for a solitary life. Lovelace then proceeds to rape her, in a scene that goes on for several hundred pages. Clocking in at over a million words, this is, FTP, what novel by Samuel Richardson, the longest in the English language?

Clarissa, or, The History of a Young Lady

BONUS 8

BONUS Identify these other novels that run over a thousand pages, FTPE.

- 10: This Victor Hugo novel tells the story of struggling ex-convict Jean Valjean.

Les Miserables

- 10: This novel with protagonist Danny Taggart explores many themes that were subsequently developed into a philosophy the author called Objectivism.

Atlas Shrugged

- 10: This novel's plot deals with Russian aristocratic families, most notably the Bezukohvs, the Bolkonskis, and the Rostovs.

War and Peace

TOSSUP 9

Inexplicably, this algorithm works very well and can solve problems such as the 8-Queens problem starting with completely random data sets. At each step of the process every data set is evaluated and the worst are removed until $n/2 + 1$ remain, where n is the initial number of sets. Random chunks of the best set are then combined with random chunks of every other remaining set. There is a random chance that one of the "children" will "mutate," then the process starts over with the "children" being evaluated. FTP, name this kind of algorithm named after the study of heredity.

Genetic algorithm

BONUS 9

FTPE, name these other algorithms frequently used in artificial intelligence.

- 10: Without any modifications, it has about a 14% success rate because it tends to find only local maxima or minima rather than the true maximum or minimum.

Hill climbing

- 10: It keeps a set of partial solutions in a heap and checks them in order based on the sum of the current cost and a heuristic function. It is important that the heuristic be an underestimate.

A-star search

- 10: With a name inspired by metallurgy, this refinement of hill-climbing approximates the optimal solution by continually picking random nearby solutions based on an objective function.

Simulated annealing

TOSSUP 10

It was first built as a long-range missile center in 1955. Kazakhstan has leased it to Russia until 2050; however, recent disputes between the two countries over the price of renting the area has caused Russia to begin improving the Plesetsk Cosmodrome in Archangel'sk [Arch-angel-sk] as an alternative. Situated on the northern bank of the Syr Darya River and east of the Aral Sea, it has recently been used to resupply the ISS. FTP, name this large Russian space launch facility, the world's oldest.

Baikonur Cosmodrome

BONUS 10

FTPE, identify:

- 10: The first mammal to be put into orbit; she died a few hours after launch due to overheating and stress.

Laika

- 10: The Soviet spacecraft Laika occupied.

Sputnik 2

- 10: The two dogs that survived a day in space and safely returned to Earth. In Russian, their names mean "Squirrel" and "Little Arrow."

Belka and Strelka

TOSSUP 11

He was a baron descended from an Italian aristocrat who settled in England in 1880. Educated at Harrow and Oxford, he became the youngest Member of Parliament in 1940 when he won election as a Conservative. He was Great Britain's minister of state for war in 1961 when he began an affair with 19-year-old call girl Christine Keeler, who was carrying on a simultaneous affair with a spy from the Soviet Embassy. FTP, name this rising political leader who was forced to resign in one of Great Britain's most notorious government scandals.

John Profumo

BONUS 11

FTPE, name these prominent Britons of the 1960s.

- 10: He succeeded Anthony Eden as prime minister in 1957 and served in that position until political setbacks and ill health forced his resignation in 1963.

Harold Macmillan

- 10: He followed Macmillan, but his tenure as prime minister was plagued by the problem of Rhodesian independence and Britain's proposed entry into the Common Market.

(James) Harold Wilson

- 10: Elected leader of the Conservative Party in 1965, he was Leader of the Opposition until he became prime minister in 1970:

Edward or "Ted" Heath

TOSSUP 12

In the end, after a discussion in a library about various ways of reading a novel, you decide to marry Ludmilla, the Other Reader to whom the perspective shifts for part of one chapter. This is despite the sexual encounter you had with her sister in South America, where two competing factions of counterfeiters with strange ideas about truth and fiction are pursuing you and the books you are reading. You wish they wouldn't, because you get interrupted ten times at the most exciting part of ten different books. FTP, name this novel by Italo Calvino in which you, the Reader, are the main character.

If on a winter's night a traveler

BONUS 12

Identify these Italian authors of various eras FTPE.

- 10: This Florentine was a Guelph, and his works revealed his hatred for the Ghibellines who exiled him and his love for Beatrice.

Dante Alighieri

- 10: His novels include *The Name of the Rose* and *Foucault's Pendulum*.

Umberto Eco

- 10: This playwright is best remembered for *Six Characters in Search of an Author*

Luigi Pirandello

TOSSUP 13

Edward James commissioned a Lobster Telephone from him; simply a plaster lobster that rested on a working telephone. He teamed up with Walt Disney to produce the film "Destino," which was released in 2003, 58 years after production began. He was interested in mathematics, which is evident in his painting "Crucifixion," or "Corpus Hypercubus," which shows Jesus on an unfolded hypercube cross. Other works of his include "The Temptation of St. Anthony" and "On Dream Caused by the Flight of a Bee around a Pomegranate a Second Before Awakening." FTP, name this Spanish surrealist artist who painted "The Persistence of Memory."

Salvador Felipe Jacinto Dali Domenech, Marquis of Pubol

BONUS 13

FTPE, name these other Dali works.

- 10: This painting contains a distorted profile that can also be seen in "The Persistence of Memory."

The Great Masturbator

- 10: This image shows a humanlike figure staring into a pool of water with a white and purple flower growing out of a nearby stone.

The Metamorphosis of Narcissus

- 10: This work depicts thirteen people and a vaguely divine floating see-through torso, but the only face seen is Jesus'.

The Sacrament of the Last Supper

TOSSUP 14

It was originally intended to be a scripting language for the Amoeba operating system. Development began in 1989 when the author, searching for a “hobby” project, decided to write an interpreter for a new language. The philosophy that has developed around it focuses on simplicity rather than speed, if one would compromise the other. FTP, name this high-level, batteries-included programming language created by Guido van Rossum and named for a British sketch comedy troupe.

Python

BONUS 14

FTPE, name these languages that have influenced Python.

- 10: It is the second-oldest high-level language and it is often used for artificial intelligence.

Lisp

- 10: It is good with string processing and database interaction, but it is best known for its regular expressions.

Perl

- 10: It has only five keywords and is based on sending messages between objects.

Smalltalk

TOSSUP 15

TOSSUP Born in Bengal, India, his father worked for the opium department in the Civil Service. After joining the Indian Imperial Police, he began to hate imperialism and moved back to his home country of England where he soon became a noted novelist and essayist. In *Down and Out in Paris and London* and *The Road to Wigan Pier* he researched the poverty among the working class in Paris, London, and Northern England. These works eventually made him a socialist, and in 1936 he fought with the Marxists against Francisco Franco’s nationalist party in the Spanish Civil War. However, after World War II he became Anti-Stalinist. FTP, who was the author of *Animal Farm* and *1984*?

George Orwell aka Eric Blair

BONUS 15

Bonus: FTPE, name these characters from animal farm.

- 10: This pig is driven into exile from the farm by Napoleon.

Snowball

- 10: This man originally owned the farm that the animals take over.

Mr. Jones

- 10: This old donkey is constantly cynical about the revolution.

Benjamin

TOSSUP 16

In psychology, the concept was the basis for free association in Sigmund Freud's psychoanalysis, which says that the mind attains ideas through the senses and then associates them using similarity and contrast. Originally conceived by Aristotle, the idea regained its prominence in modern thought through Thomas Aquinas. The thesis was the basis for Thomas Aquinas' argument against the Platonic idea of nature in support of the Aristotelian nurture. However, John Locke is most attributed with his writing on it, stating that our experiences determine how we are, rather than inborn qualities. FTP, name this thesis meaning "blank slate", in which our mind is born a blank slate on which experiences "write" knowledge and understanding.

A. Tabula Rasa

BONUS 16

Bonus: Answer these questions related to John Locke, FTPE.

- 10: This most famous Locke work is a manifesto for liberal democracy.
Two Treatises of Government
- 10: Locke describes this concept where individuals do not have to obey each other, but rather judge each other based on natural law
state of nature
- 10: This author made theories on the state of nature popular in the 17th century.
Thomas Hobbes

TOSSUP 17

Its character was classified by Guido D'Arezzo as "serious", while Adam of Fulda said it imparted "any feeling". Though it was originally invented by the Greeks, the name became applied to the first of the eight medieval church music modes, where it was misinterpreted into its modern form. Its order of tones is tone, semitone, tone, tone, tone, semitone, tone. Thus, in its D key there are no accidentals. FTP, name this minor mode heard in such popular songs as "Light My Fire" by The Doors and "Eleanor Rigby" by The Beatles.

Dorian mode or scale

BONUS 17

Bonus: Name these other minor modes by their natural scale, for ten points each.

- 10: A
Aeolian (also accept minor)
- 10: E
Phrygian
- 10: B
Locrian

TOSSUP 18

The story begins with the death of the main character but quickly goes back to a time when she was alive. After mentioning her tax problem and a strange smell that emanated from her house, the story skips to an even earlier time when the protagonist is seen buying arsenic from a druggist, with which people believe she will kill herself. Around then she had begun to see someone, and it was assumed that they had married, but he was not seen after that. FTP, name this William Faulkner short story that ends with the discovery of Homer Barron's body in a sealed room in the protagonist's house.

A Rose for Emily

BONUS 18

Name these other works by William Faulkner, FTPE.

10: This novel is about the death of Addie Bundren, a Mississippi farmer.

As I Lay Dying

10: This novel's name references a Biblical story and is about Thomas Sutpen.

Absalom, Absalom!

10: This novel is told by four different narrators who recant the same events from different points of view.

The Sound and the Fury