

## TOSS-UPS

The man who would lose this battle confidently proclaimed beforehand that "This affair will be no more serious than eating one's breakfast." Unfortunately, an unforeseen heavy rainfall removed the possibility of a surprise attack, and Grouchy was unable to delay the Prussians under Blucher. FTP, name this battle of June 18, 1815, which saw Wellington and the allies administer the final defeat of Napoleon.

Ans: \_Waterloo\_

His last words are reputed to be "Crito, we owe a cock to Aesculapius; pay it therefore, and do not neglect it." Born in 469 BCE in Athens, he combatted the skepticism of the sophists and asserted the possibility of genuine knowledge. He also taught that a good person never knowingly does wrong. Reknowned for his method of questioning his questioners, he was accused in 399 of impiety and <sup>blasphemy</sup> corrupting youth. FTP, name this philosopher who died after willingly drinking hemlock.

Ans: \_Socrates\_

Holidays in this religion include "Adults Day," during which those who have turned 20 in the past year visit a shrine, and "Seven-Five-Three" when boys of five and girls of three and seven are taken to a shrine to be blessed. Chinese for "the way of the gods" its name is a transliteration of the Japanese Kami-no-michi, referring to the god, spirits, and forces that are its object of worship. Headed by the Sun Goddess Amaterasu, this is, FTP, what indigenous religion of Japan?

Ans: \_Shinto\_ism

The word for this article of clothing was once humorously described as formed "from a word meaning 'two' and a word meaning 'square inches of Lycra'." The word completes the titles of such movies as Blank Beach, Blank Squad, It's a Blank World, Blank Drive-In, The Ghost in the Invisible Blank, and How to Stuff a Wild Blank. Named after the atoll in the Pacific where H-bombs were first tested, this is the kind of bathing suit perhaps known best in its "Itsy Bitsy Teenie Weenie Yellow Polka Dot" variety.

Ans: \_bikini\_

The Pont Alexandre III in Paris has two gilded statues of his famous figure at each end. He gives his name to the seventh-largest constellation in the sky, including Alpherat and Markab. The fountain of the Muses on Mount Helicon, Hippocrene, is said to have sprung from a blow of his hoof. He carried lightning bolts for Zeus after a bee sting caused him to buck the arrogant Bellerophon. FTP, name this creature who sprang from Medusa's blood, a mythical winged horse.

Ans: \_Pegasus\_

Ronald Reagan once said that on first meeting this world leader "it was evident from our first words that we were soul mates when it came to reducing government and expanding economic freedom." A member of Parliament for Finchley, junior pensions minister under Harold Macmillan, Secretary of State for Education and Science, she would later privatise British industries and deal with the Falklands War. FTP, name this "Iron Lady", the first female British Prime Minister.

Ans: Margaret ("Maggie") Hilda Roberts \_Thatcher\_

NBC has ordered 12 episodes of her new sitcom, provisionally titled 23:12. In it, she will star as a night club singer in Los Angeles, a far cry from her earlier, more famous role – both personality-wise and geographically. Also starring British actor Darren Boyd, and created by her husband, Brad Hall, it will be the third time a former Seinfeld actor has struck out on their own. FTP, name this actress, best known as Elaine Marie Benes.

Ans: Julia \_Louis-Dreyfus\_

It is hoped that this service can resume on November 7, and a successful trial run on Monday, October 22, means that this is more than likely. After 113 people were killed on July 25, 2000, it wasn't known whether British Air or Air France could ever offer this service again. Allowing people to cross the Atlantic in about 3 hours, 20 minutes, this is, FTP, which supersonic jet?

Ans: \_Concorde\_

He argued before the Supreme Court and won in such cases as *McCulloch v. Maryland*, *Gibbons v. Ogden*, and *Dartmouth College v. Woodward*. He ran for the Presidency in 1836 but carried only Massachusetts. Later, he was the only Whig not to resign from the Cabinet when John Tyler entered the Presidency, owing to a desire to complete an arrangement with Great Britain over the Maine-Canada border. FTP, name this "God-like" orator, who is also known for his anti-nullification reply to Robert Hayne and role in the passage of the Compromise of 1850.

Ans: Daniel \_Webster\_

He speaks the last line in Shakespeare's *Julius Caesar*, an indication of things to come. In 44BCE, he was supported by Cicero against Antony, although they were ostensibly both in the same party, opposed to the Liberators Brutus and Cassius. Despite Antony's marriage to his sister, open warfare came in 32 BCE, ending in his victory at Actium. With the whole empire now under his command, in 27 BCE he was named imperator and changed his name. FTP, name this man, named pater patriae, the first emperor of Rome.

Ans: C. Julius Caesar \_Octavian\_us or Caesar \_Augustus\_

An English admiral born in 1684, he took command of the battle against Spanish South America and took Porto Bello in 1739, starting the War of Jenkins' Ear. A river on Prince Edward Island was named after this man by his nephew, Sir Samuel Holland, but he is better known for an honor that was bestowed on him after Lawrence Washington, half-brother of George, fought under him during the siege of Cartagena in 1741. FTP, name this man, a good friend of the Washington family, whose name, added to "Mount" was given to the residence of George Washington.

Ans: Admiral Edward \_Vernon\_

In this novel, we are told that history is bunk, the secret of happiness and virtue is liking what you've got to do, and that Bokanovsky's Process is one of the major instruments of its society's stability. Because he disagrees with each of these propositions, having lived on a reservation all his life, and because there is no place for him in such a world, the

Savage eventually takes his life. FTP, name this book, whose title is a line from *The Tempest*, a futuristic dystopia by Aldous Huxley.

Ans: Brave New World

He tries to save his wife by admitting to his affair, but not knowing that he has done so, Elizabeth lies about it when asked, and he is denounced. She is persuaded to convince him to confess to Mary Warren's charge against him to save his life, and he is willing until asked to name more names and to make his confession public. Finally at peace with his decision and forgiven by Elizabeth for his affair with Abigail, whose trip to the gallows ends Arthur Miller's "*The Crucible*"?

Ans: John Proctor (either name acceptable)

You can dream--and not make dreams your master,/ you can think--and not make thoughts your aim; you can trust yourself when all men doubt you; you can meet with Triumph and Disaster/ and treat those two imposters both the same; you can make one heap of all your winnings/ and risk it on one turn of pitch-and-toss,/ and lose, and start again at your beginnings,/ and never breathe a word about your loss; yours is the Earth and everything that's in it, and---which is more---you'll be a Man, my son! At least, you will be by naming, FTP, this Rudyard Kipling poem whose title is the one word of two letters which begins the above lines.

Ans: If

Iota Subscript, *The Sound of the Trees*, *The Rose Family*, *Once by the Pacific*, *Nothing Gold Can Stay*, *After Apple Picking*, *The Gift Outright*, *The Death of the Hired Man*, *Mending Wall*, *Fire and Ice*, *Stopping by Woods on a Snowy Evening*, and *The Road Not Taken* are all poems by, FTP, which 1961 Poet Laureate of Vermont?

Ans: Robert Frost

Lew Ayers and Richard Thomas have each played the protagonist of this work in films made in 1930 and 1979, respectively. The book and its sequel, *The Road Back*, were burned by the Nazis who considered it dangerous and demoralizing. The story of Westhus, Leer, Detering, Kemmerich, Tjaden, Kropp, Mittelstaedt, Katczinsky, and especially Paul Baumer, this is, FTP, which German anti-war novel by Erich Maria Remarque?

Ans: All Quiet on the Western Front (or Im Westen Nichts Neues)

He contributed music to Anfossi's *Il curioso indiscreto*, Bianchi's *La villanella rapita*, Cimarosa's *I due baroni*, Sarti's *Le Gelosie villane*, Martín's *Il burbero di buon core*, Benedikt Schack's *Der Stein der Weisen*, perhaps to Schikaneder's *Der Wohltätige Derwisch*, and to Paisiello's *Il barbiere di Siviglia*. His name appears on such operas as *Idomeneo*, *Abduction from the Seraglio*, *Così fan tutti*, *The Marriage of Figaro*, and *The Magic Flute*. FTP, name this composer forever immortalized by the movie *Amadeus*.

Ans: Johann Chrysostom Wolfgang Theophilus (Gottlieb, Amadeus) Mozart

She is with the cat in a hoax by Cesare Turbino; appears as *The Small Cowper*, *Alba*, *Sistine*, *della Seggiola*, and of the *Meadow for Raphael*; is of the *Pomegranate*, of the

Magnificat, and with the Book in Botticelli works; appears Litta, of the Reel, and of the Carnation for Leonardo; and is long-necked in Parmigianino's painting. But who, FTP, mostly appears with child in paintings of her with Jesus?

Ans: (The) Madonna (accept Mary on an early buzz)

This country includes the Prince Edward Islands of Marion Island and Prince Edward Island. It has one capital each for its judicial, legislative, and executive branches, and is bordered by Namibia, Botswana, Zimbabwe, Mozambique, Swaziland, and Lesotho (Leh-soo-too), the last of which it entirely surrounds. FTP, name this country with capitals at Bloemfontein, Johannesburg, and Pretoria, located at the extreme southern tip of Africa.

Ans: South Africa

Perhaps it makes sense that this foodstuff was heavily marketed on the Lone Ranger radio and tv shows: after all, it was a product with potential appeal for both The Lone Ranger and Silver. First introduced in 1941 and positioned as an alternative to oatmeal, it was billed as America's first oat-based ready-to-eat cereal. After a name change in 1945, it would go on to account for one out of every 11 boxes of cereal sold despite being priced 17% higher than the industry average. FTP, name this General Mills breakfast favorite, which comes in Team, Apple Cinnamon, Multi-Grain, Frosted, Honey Nut, and regular boxes.

Ans: Cheerios

For a first-order chemical reaction, it is equal to the natural logarithm of two divided by the rate constant. For a radioactive process, it is proportional to the mean lifetime, and is equal to the natural logarithm of two divided by the decay constant. For uranium-238 it is about four and a half billion years, while for carbon-14 it is about 5,730 years. FTP, name this time length which describes how long it takes for 50% of a radioactive sample to decay.

Ans: half-life

He visited Korea and Japan, where he wrote several books on East Asia. After reading a book by Camille Flammarion his interest in astronomy was reawakened, and he hastened to build an observatory in Flagstaff, Arizona. He contended there was another planet beyond Neptune, and was proved right by Tombaugh, but he is more famous for believing that intelligent life existed on another planet. FTP, identify this American astronomer, the author of Mars and its Canals.

Ans: Percival Lowell

The parallel axis theorem can be used to calculate this quantity. For any object, it is equal to the mass times the radius of gyration squared. For a uniform sphere of mass  $m$  and radius  $r$ , rotating about an axis through the center, it is  $\frac{2}{5}$  times  $m$  times  $r$  squared. It is equal to the torque divided by the angular acceleration, and it plays the same role in rotational motion that mass does in linear motion. FTP, identify this quantity that measures an object's resistance to rotation.

Ans: moment of inertia

It is secreted by the beta cells in the islets of Langerhans. Among other functions, it stimulates protein synthesis, and increases glycogen storage in the liver. It is antagonistic to glucagon, and its primary function is lowering blood sugar. FTP, identify this pancreatic hormone which is deficient in type I diabetes.

Ans: \_insulin\_

In a Pythagorean triangle with hypotenuse 145 and a leg of 144, it is the length of the 3rd leg. It is the length of a space diagonal of a box with side lengths 8, 9, and 12. It is also the number of sides on a regular polygon that Gauss was the first to prove could be constructed with straight edge and compass. It is the only root of the equation  $x^2 - 34x + 289$ . FTP, what is this prime number, the first after 13?

Ans: \_17\_

BONI

Answer these questions about game 4 of the AL <sup>Championship</sup> series, FTPE.

1. Give the final score of the game, in which the Yanks beat the Mariners.

Ans: \_3-1\_ (or \_1-3\_)

2. Who hit the game-winning, two run homer in the bottom of the ninth?

Ans: Alfonso \_Soriano\_

3. Name the Seattle closer who allowed the runs.

Ans: Kazuhiro \_Sasaki\_

Brittany Murphy is one busy girl! Answer these questions about her film work, FTPE.

1. She played Tai, the girl who Alicia Silverstone's Cher tries to fix up in this 1995 comedy.

Ans: \_Clueless\_

2. Brittany is currently appearing as an alternately catatonic and violent mental patient in this Michael Douglas thriller.

Ans: \_Don't Say a Word\_

3. She can also be seen starring opposite which star of Ever After in the movie Riding in Cars with Boys?

Ans: Drew Blythe \_Barrymore\_

(Name the salad from ingredients, FTPE.)

Answer the following questions about a Latin word, FTPE.

What is the nominative singular form of the word for girl?

Ans: \_puella\_

2. What is the genitive plural form of puella?

Ans: \_puellarum\_

3. What is the accusative singular of puella?

Ans: \_puellam\_

1. Romaine lettuce, parmesan cheese, a dressing made with garlic, Worcester sauce, and anchovies, among other ingredients.

Ans: \_Caesar\_ salad

2. Cooked green beans, onions, potatoes, capers, egg, vinaigrette, tomato, olives, tuna.

Ans: Salad Nicoise

3. Romaine, watercress, avocado, tomatoes, chicken breast, hard-boiled egg, chives, cheese, crisp bacon, French dressing.

Ans: Cobb salad

Name these creatures that can be found in a bestiary, FTPE.

1. The supposed guardian of treasure, these creatures had the body, tail, and hind legs of a lion and the head, forelegs, and wings of an eagle.

Ans: gryphon (or griffin or grifon)

2. A winged horse with an eagle's head and claws, this creature is the offspring of a griffin and a filly.

Ans: hippogriff (or hippogryph)

3. Another half-horse creature, but with the top half belonging to a man.

Ans: centaur

Given a Greek god, name his or her Roman counterpart, F5PE,

1. Zeus

Ans: Jupiter

2. Ares

Ans: Mars

3. Poseidon

Ans: Neptune

4. Aphrodite

Ans: Venus

5. Hermes

Ans: Mercury

6. Cronos

Ans: Saturn

Answer these questions about people involved in the Iran-Contra Affair, FTPE.

1. President of the United States at the time, his vision of freeing South America from Communism led others to directly violate the Boland Amendment.

Ans: Ronald Wilson Reagan

2. Head of the Drug Interdiction Task Force and the Counterterrorism Task Force, chairman of the Crisis Pre-planning Group and ~~the Group and~~ the Special Situation Group (with "oversight authority for public and covert actions related to terrorism policy"), former CIA director (1976- 77), not to mention Vice President, he claimed that on foreign policy decisions he was left out of the loop.

Ans: George Herbert Walker Bush, Sr.

3. She dated the son of one of the Contra leaders and a Contra himself, and her mother was Robert McFarlane's secretary. Name this woman who believed that "Sometimes you have to go above the written law," and so shredded a pile of documents over a foot and a half high for Oliver North.

Ans: Fawn Hall

Answer these questions about German unification, FTPE.

1. Prime Minister of Prussia from 1862-1890 and Chancellor of the German Empire from 1871-1890, he unified Germany by waging war on Denmark, Austria, and France.

Ans: Otto Eduard Leopold von Bismarck

2. Introduced in 1873, this policy was designed to isolate the Catholic interest so that liberals and agrarian interests could ally. Catholics proved to be too large a part of the state, however, and the policy was abandoned in 1876.

Ans: kulturkampf

3. The seizure of this region from France <sup>in 1870</sup> allowed German exploitation of its iron mines, without which it would have exhausted its capacity for war long before 1918.

Ans: Alsace-Lorraine

A series of conflicts between England and France inflicted much suffering from 1337-1453. FTPE, answer these questions about that period.

1. What was this war's somewhat misleading name?

Ans: The Hundred Years' War

2. Name the battle of October 1415 in which the British under Henry V defeated the French mainly through the superiority of the English longbow.

Ans: Agincourt

3. Name this woman, later a saint, who convinced the future Charles VII that she had a divine mission to free France from England.

Ans: Joan of Arc (or Jeanne d'Arc)

In 1924, a committee of the Senate announced that Albert Fall, the Secretary of the Interior, had leased government land to oil companies in return for huge kick-backs. Answer these questions about the scandal, FTPE.

1. The name of the scandal, it referred to an oddly-shaped rock on one of the land tracts.

Ans: Teapot Dome

2. Teapot Dome was located near the town of Caspar in this state.

Ans: Wyoming

3. He was President when the deal was made, but died in office in 1923.

Ans: Warren Gamaliel Harding

Give the common name from US history, 30-20-10.

30 – It is the name of an abortive state on the Oregon-California border, whose formation was proposed in 1852, 1856, 1971, and most notably in 1941.

20 – The first name of Jimmy Stewart's character in Mr. Smith Goes to Washington, he shares this name with Zachary Taylor's son-in-law.

10 – The last name of the third President of the United States, or the first name of the only President of the Confederate States of America.

Ans: Jefferson

Name the Edgar Allen Poe works from description, FTPE.

1. The narrator visits his friend Roderick and Roderick's sister, Madeline. She dies, or seems to, and they bury her alive. She claws her way out and attacks her brother; they both die as the house collapses around them.

Ans: The Fall of the House of Usher

2. Another story of premature burial, this short story sees the unfortunate Fortunato sealed up behind a wall by the slighted Montessoro, for the love of God!

Ans: The Cask of Amontillado

3. And now for a change: a poem this time, and one in which the entombed person is actually dead. The namesake of the poem is killed by a cold wind sent by the jealous "winged seraphs of heaven" to the "kingdom by the sea" where she and her husband, the narrator, dwell. It being Poe, he stays with the coffin, though.

Ans: Annabel Lee

Name the Jane Austen work from first line, F15PE.

1. "The family of Dashwood had long been settled in Sussex."

Ans: Sense and Sensibility

2. "It is a truth universally acknowledged, that a single man in possession of a large fortune must be in want of a wife."

Ans: Pride and Prejudice

Name the metrical foot from stresses, FTSNOP.

↪ 5 - stress-unstress

Ans: trochee

↪ 5 - unstress-stress

Ans: iamb

10 - stress-unstress-unstress

Ans: dactyl

10 - unstress-unstress-stress

Ans: anapest

Name the poem from lines, 30-20-10.

30 - "When the stars threw down their spears,  
And watered heaven with their tears..."

20 - "Did he smile his work to see?  
Did he who made the lamb make thee?"

10 - "What immortal hand or eye  
Could frame thy fearful symmetry?"

Ans: The Tiger

Answer these questions about William Shakespeare's  
"Romeo and Juliet," FTPE.

1. This is Juliet's family name.

Ans: Capulet

2. This is Romeo's family name.

Ans: Montague

3. A cousin of the Prince, this is the man to whom Juliet was betrothed.

Ans: Paris

Name the horror film actor, given roles, FTPE.



1. Quasimodo, The Hunchback of Notre Dame, 1923; Erik, The Phantom of the Opera, 1925

Ans: Leonidas ("Lon") Chaney (I hope no one says "Jr."...)

2. Count Dracula, Dracula, 1931; Ghoul Man, Plan 9 from Outer Space, 1958

Ans: Bela Lugosi (or Béla Ferenc Dezső Blaskó) (again, not "Jr." - but less chance this time, I hope)

3. The Monster, Frankenstein, 1931; Narrator and The Grinch, How the Grinch Stole Christmas!, 1966

Ans: Boris Karloff (or William Henry Platt)

Name these George Gershwin works, FTPE.

1. Written for a 1924 concert titled "An Experiment in Modern Music," this piece with a wailing clarinet at its very beginning has a title inspired by Whistler's Nocturne in Black and Gold.

Ans: Rhapsody in Blue

2. This 1928 composition would end up in the Gene Kelly-Leslie Caron movie celebrating an American fascination with a quintessentially European city.

Ans: An American in Paris

3. Inspired by a DuBose Heyward novel, Gershwin never called this an opera, for fear of losing audiences. The title characters were based on the colorful <sup>Southern</sup> North Carolina native "Goat Sammy" and the woman he loved.   
???

Ans: Porgy and Bess

Name these geographical superlatives in the 48 contiguous states, FTPE.

1. The highest mountain.

Ans: Mount Whitney

2. The lowest point can be found in this valley.

Ans: Death Valley

3. The largest freshwater lake within the United States.

Ans: Lake Michigan

There are only 2 doubly-landlocked countries in the world. This means that both they and the countries that surround them are landlocked. Identify them from neighboring countries F15PE, 10 points if you need the capital.

15 - Austria, Switzerland

10 - Vaduz

Ans: Principality of Liechtenstein (or Furstentum Liechtenstein)

15 - Afghanistan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan

10 - Tashkent

Ans: Republic of Uzbekistan (or Uzbekiston Respublikasi)

Identify the following features associated with rivers F15PE.

15) On a great many floodplains, channels follow curves and bends known as these. They take their name from the Maiandros River in Turkey, fabled in ancient ~~times~~ <sup>times</sup> for its winding, twisting course.

Ans: meander

15) As meanders migrate, the bends may grow closer and closer together, until finally the river bypasses the next loop. The river takes a new shorter course, and in its abandoned path it leaves one of these crescent-shaped, water-filled loops.

Ans: \_oxbow\_ lake

Given the name of a chemical, give its chemical formula 5-10-15.

5) Sodium chloride

Ans: \_NaCl\_

10) Nitric acid

Ans: \_HNO3\_

15) Magnesium dichromate

Ans: \_MgCr2O7\_

This bonus is brought to you by the number 2. Answer the following questions FTPE.

10) What double-angle trigonometric quantity is equal to the cosine squared of theta minus the sine squared of theta?

Ans: \_cosine of two\_ theta

10) What is the sum of the infinite series  $1/2 + 1/4 + 1/8 + \dots$  ?

Ans: \_1\_ (\_one\_)

10) What is the determinant of a 2 by 2 matrix whose entries are all 2?

Ans: \_0\_ (\_zero\_)

A capacitor consists of two parallel plates of conducting material. The plates have surface area  $A$ , thickness  $d$ , and are separated by distance  $L$ . Answer the following questions F15PE.

15) If a voltage  $V$  is applied to the capacitor, what is the electric field inside either of the conductor plates?

Ans: \_0\_ (\_zero\_)

15) There is a constant electric field of 100 newtons per coulomb in the gap between the plates. The separation length  $L$  is 1 centimeter. What is the applied voltage producing this electric field?

Ans: \_1\_ (\_one\_) volt

Identify the following terms associated with evolution FTPE. 10) Analogous structures are indicative of this type of evolution, in which species from different evolutionary branches come to resemble each other, because they have similar ecological roles and natural selection has shaped analogous adaptations.

Ans: \_convergent\_ evolution

10) A gene pool in evolutionary stasis is described by this theorem, named for the two scientists who derived the principle independently in 1908.

Ans: \_Hardy-Weinberg\_ theorem (accept \_Hardy-Weinberg\_ equilibrium)

10) This type of selection acts against extreme phenotypes and favors the more intermediate variants. The trend is toward reduced phenotypic variation and maintenance of the status quo.

Ans: \_stabilizing\_ selection