

1. This term comes from the Finnish word for "treeless plain." The alpine version of it occurs at high altitude, where temperatures regularly drop below freezing at night. Except for dwarf trees, the plant life there is very similar to the arctic version of it, although the permafrost common to the arctic version causes the formation of bogs. Name, FTP, this coldest of the biomes, whose fauna often include caribou, terns, and polar bears.

Answer: **tundra**

2. Though born in New York City in 1843, this author spent much of his life in Europe and eventually became a British citizen in 1915 after settling down in Rye, Sussex. Some of his short fiction includes *The Aspern Papers* and *The Turn of the Screw*. The conflict between new world traits of innocence and naiveté and the wiser and decadent old world is a recurring theme in works such as *The Wings of the Dove* and *The Golden Bowl*. Not to be confused with his older brother, the psychologist William, FTP name the author of *The Europeans* and *Portrait of a Lady*.

Answer: **Henry James** [prompt on just James]

3. His name seems to be everywhere. Author of the *Pensees*, he created an eponymous wager to explain that believing in God was a better strategy than not believing. Around the age of 19 he developed one of the first mechanical calculators, the name of which was based on his own. Both a unit of pressure and a programming language have been named after him. FTP name this philosopher and mathematician, namesake of a triangle used in predicting frequency of events.

Answer: **Blaise Pascal**

4. Even the President didn't make efforts to uphold this decision until 1957. This landmark Supreme Court ruling overturned one made 48 years earlier, unanimously reinterpreting details of the 14<sup>th</sup> Amendment. FTP name this 1954 case argued by a young Thurgood Marshall, resulting in the ruling that "separate but equal" facilities were unconstitutional.

Answer: **Brown vs. Board of Education**

5. Some of its sections call for a full orchestra and a boy's choir, and its lyrics are composed of Medieval Latin. It was composed based on a manuscript found in the Benediktbeuern abbey. For ten points what is this popular music, with opening work, 'O Fortuna', and is written by Carl Orff?

Answer: **Carmina Burana**

6. Its chemical formula is C<sub>8</sub> H<sub>9</sub> N O<sub>2</sub>. This analgesic lowers pain and fever, yet, unlike aspirin, it does not reduce inflammation or inhibit blood clotting. While safe in low doses, metabolism of the drug in the liver at high concentrations causes a buildup of a highly toxic intermediate. In cases of untreated overdose, it only results in visible symptoms several days later in the form of massive liver failure. For ten points, what is the generic name of this drug, most widely marketed under the brand name Tylenol?

Answer: **acetaminophen** [accept **paracetamol**; prompt on Tylenol]

7. He called his mistress "a cross section of the American public." He met her while in search of his youth, listening to her sing, and stopping her toothache. Believing in love on his own terms, he collected junk and art. He built an opera house for Susan Alexander and resided in Xanadu until his death, a subject of "News on the March." FTP name this Orson Welles film character whose opening line is "Rosebud."

Answer: **Citizen Kane**; or Charles Foster **Kane**

8. Irish Gaelic for "we ourselves" this Irish nationalist organization was founded by the journalist and political leader Arthur Griffith and his associates in 1902. Its primary aim was to secure the political independence of Ireland from Great Britain; the society also sought to make Ireland completely self-sufficient economically and to promote Irish culture and the use of the Irish language. As the political arm of the outlawed Irish Republican Army, this organization's members have been active in the struggle raging in Northern Ireland since the late 1960s.

Answer: **Sinn Féin** [pronounced "shin fane", but accept anything phonetically plausible. Do not accept IRA; that's wrong from the 1<sup>st</sup> clue.]

9. In this novel, the protagonist is driven by his loathing of his father, Unoka, and becomes known throughout Umuofia for his wealth and wrestling prowess. However, he is unable to grapple with the incursion of British colonialism into his sheltered world. FTP, name this 1958 Chinua Achebe novel that focuses on the life and downfall of Okonkwo.

Answer: **Things Fall Apart**

10. Rising in the Tanggula Mountains of Qinghai Province, this 6300-kilometer-long river is colloquially described as "Long River," the translation of its name in Chinese. Passing through the Three Gorges at Qutang and Wu, this river boasts the world's largest dam. FTP what longest river in China empties into the East China Sea at Shanghai?

Answer: **Chang Jiang; or Yangtze River**

11. Born in Birmingham, Alabama, in 1954, this politician considered becoming a pianist before becoming interested in international relations. She speaks Russian, French, and Spanish and is a tenured professor at Stanford University. In 2003 she submitted the editorial "Why We Know Iraq is Lying" to the *New York Times* and in 2004 *Forbes* Magazine named her the world's most powerful woman. For ten points who is this cabinet official, confirmed in 2005 as the U.S. Secretary of State?

Answer: **Condoleezza Rice**

12. With his great prolificacy at 1,348 volumes, many of his contemporaries had doubts that he wrote them himself. In 1845, he was brought to court on the accusation that he ran a "fiction-factory," but he was acquitted. Regardless of this, for ten points, which man is still regarded a great storyteller of historic romance, with works such as *The Man in the Iron Mask* and *The Three Musketeers*?

Answer: **Alexandre Dumas père** [they don't have to specify *père*, but do not accept *fils*]

13. A peace plan proposed by Fernando Belaunde Terry before the start of this war was not accepted which led to Admiral Jorge Anaya developing an invasion plan. Lasting a mere 72 days and resulting in approximately 1,000 casualties, Leopoldo Galtieri spearheaded the drive to recapture the namesake land masses in order to distract people from the political realities of economic depression and human right abuses. This conflict was essentially over after the retaking of South Georgia Island and the fall of Port San Carlos. For ten points -- name this 1982 war fought between the United Kingdom and Argentina

Answer: **Falklands War (or Malvinas War)**

14. It uses oxaloacetate as a catalyst, and during it, three molecules of NAD and one of FADH are reduced, a molecule of guanosine triphosphate is produced, and its initial reactant becomes two molecules of carbon dioxide. In a transition step between glycolysis and it, two pyruvate molecules are turned into two molecules of acetyl coenzyme A. For ten points, this describes what process within respiration which occurs in the matrix of a mitochondrion?

Answer: **Krebs cycle (or citric acid cycle)**

15. His wife's brothers Laban and Bethuel let her go when she gave his father's servants water for their camels. His son Esau wept bitterly when he blessed an imposter who brought him a savoury dish made by Rebekah, the wife of this son of Sarah, whose birth drove out the slave Hagar and his half-brother Ishmael. Saved on Mount Moriah by an angel, FTP name this son almost sacrificed by Abraham.

Answer: **Isaac**

16. Its precise origins are lost in time, predating Brother Theophilus's early 12<sup>th</sup> century manual by about four centuries. In this art form, color could be created using specialized paints such as a dark enamel called grisaille, or by adding materials such as cobalt and copper. The Bolton brothers established one of the first American studios; other notable innovators included John LaFarge and Louis Tiffany. The methods of creating this art underwent major changes shortly after World War II, when a great deal of it needed to be replaced in Europe. For ten points what is this form of art prominently seen in Sainte-Chapelle and the Cathedral of Chartres?

Answer: **Stained Glass**

17. A young man murders an old man who is boarding with him because he is creeped out by the old man's clouded eye. The young man would never have been caught if he had kept his mouth shut, but when the police come, all he can think about is the loud beating of the old man's heart underneath the floor. For ten points, name this short story by Edgar Allan Poe

Answer: **The Tell-Tale Heart**

18. Within it you are allowed to choose the venue, such as a party, Club Avalanche, or the Enormobowl. Some of its songs – like Ladies' Night, Believe, and Bizarre Love Triangle – were later used in the PS2's Dance Dance Revolution Extreme. For ten points, name this Konami game, for which you must use the bundled-in microphone.

Answer: **Karaoke Revolution**

19. It was first described by Hideki Yukawa in 1935 and is one of the four fundamental forces of the universe. The strongest of the four forces, it is the reason that quarks form hadrons. For ten points, name the force that is found in between subatomic particles and is responsible for holding them together.

Answer: **Strong Nuclear Force**

20. His tone-deafness led him to remark, "I only know two tunes. One of them is 'Yankee Doodle' and the other isn't." We The name he's known by was originally his middle name; he planned to reverse it with his given first name, Hiram, but a paperwork error at West Point assigned him a new middle name. Financially ruined by bad investments late in life, he finished his *Personal Memoirs* just before his death to provide for his family. Securing Union victories at Fort Henry and Shiloh, he later became president during the Gilded Age. FTP name this general, victor at Appomattox Courthouse.

Answer: Ulysses S. **Grant**

21. According to Henry Adams, "so little is known about [it], whether social, racial, sexual, or heritable -- that history is inclined to avoid it altogether." Marvin Minsky wrote on a society of it, calling it an emergent property of communicating entities. Hegel wrote on its phenomenology while Boaz wrote on that of primitive man. According to Descartes it shares the universe with the body. FTP name this quality some people put over matter.

Answer: the **mind**

22. Structures resulting from this process are called homoplasies, or analogous structures. The process is responsible for the similarity of the eyes of squids and humans, and the wings of bats and birds. These adaptations were not present in the common ancestors of either group, but arose later to meet their similar needs in the environment. For ten, what is this kind of evolution where similar structures arise in unrelated species?

Answer: **convergent** evolution

23. Divinity Princeton students were told to prepare a speech and walk to another building to give it. Along the way, each encountered a confederate, who feigned illness, and acted as if he were in need of assistance. Despite assumed dedication of the students to help those in need, students who were told that they were late to the speech were found to be much less likely to help than students who were told that there was extra time before the speech. For ten points, what famous experiment showed that pro-social norms are more likely when it is more convenient to do so?

Answer: **Darley-Batson Experiment, or Good Samaritan Experiment**

1. **VISUAL BONUS:** You are about to be handed a page with self-portraits of four noted artists. Name the artist marked with each letter shown, 5-10-20-30. You have 15 seconds to begin your answer.

Answers: (a) **Rembrandt** van Rijn; (b) Vincent **Van Gogh**; (c) Pablo **Picasso**; (d) Norman **Rockwell**

2. FTPE name that disease:

Also known as glandular fever, this illness nicknamed the “kissing disease” is typically caused by the Epstein-Barr virus.

Answer: **mononucleosis**

This mysterious disease most often found in women aged 25 to 45, also called “yuppie flu,” was erroneously thought also to be caused by the Epstein-Barr virus.

Answer: **chronic fatigue syndrome**

Caused by spirochetes borne by the deer tick, the general achiness associated with this disease named for a Connecticut town led to some cases being misdiagnosed as chronic fatigue syndrome.

Answer: **Lyme disease**

3. For ten points each, identify the Newbery Medal winning authors from some of their books.

a) *The King's Fifth*, *The Black Pearl*, and *Island of the Blue Dolphins*.

Answer: **Scott O'Dell**

b) *Jip*, *His Story*, *Jacob Have I Loved*, and *Bridge to Terabithia*

Answer: **Katherine Paterson**

c) *Marvin Redpost*, *Sideways Stories from Wayside School*, and *Holes*.

Answer: **Louis Sachar**

4. Identify these battles from the American Revolutionary War in which the British surrendered substantial portions of their troops FTPE.

(10) In this 1777 battle, American blocked Burgoyne at Bemis Heights. The British failed to break through American defenses and withdrew to the namesake location, where they surrendered in October.

Answer: **Saratoga**

(10) Cornwallis arrived here from Petersburg in 1781. Washington and French naval forces surrounded the British army and accepted its surrender, ending the war.

Answer: **Yorktown**

(10) American Daniel Morgan enveloped the British troops under Banastre Tarleton in this classic 1781 South Carolina battle, capturing virtually all British forces.

Answer: **Cowpens**

5. FTPE, answer the following about 180 degrees. You have 10 seconds per part.

What is 180 degrees equal to in radian measure?

Answer: **pi**

What is the cosine of 180 degrees?

Answer: **-1**

What is the tangent of 180 degrees?

Answer: **0**

6. For ten points each -- name these songs you've probably heard at the beginning of WB dramas.

(10) This Gavin DeGraw song serves as the theme song to *One Tree Hill*.

Answer: **I Don't Wanna Be**

(10) This Paula Cole song served as the theme song to *Dawson's Creek*.

Answer: **I Don't Want to Wait**

(10) The mother-daughter duo of Carole King and Louise Goffin sing this theme song to *Gilmore Girls*.

Answer: **Where You Lead (I Will Follow)**



7. Figures of the Trojan War FTPE.

(10) The son of Peleus and Thetis, he avenged the death of his friend Patroclus by killing Hector. Dipped in the Styx by his mother, he has no invulnerability but his heel.

Answer: **Achilles**

(10) Achilles had refused to fight because this man, the leader of the Greeks, had taken Chryseis, angering Apollo. He is murdered by his wife Clytemnestra after the war.

Answer: **Agamemnon**

(10) The brother of Agamemnon, this king of Sparta lost his wife Helen to abduction by Paris, the event that launched the Trojan War.

Answer: **Menelaus**

8. Give either the acronym or full name of these New Deal programs from a description FTPE. If you need a second clue, we'll give you the acronym and you supply the full name for 5 points each.

10) Part of the Unemployment Relief Act, this organization provided jobs on natural resource-related projects for unemployed single young men, who also received housing of a sort from its camps.

5) CCC

Answer: **Civilian Conservation Corps** [accept CCC on the 10-point clue]

10) Established in 1933, it helped restore public confidence in banks by protecting accounts in the event of bank failure.

5) FDIC

Answer: **Federal Deposit Insurance Corporation** [accept FDIC on the 10-point clue]

10) It originally gave benefit payments to encourage farmers to limit the acreage of certain cash crops. After parts of the act creating it were ruled unconstitutional, it switched some emphasis to promote planting of soil-building crops instead.

5) AAA

Answer: **Agricultural Adjustment Administration** [grudgingly accept "Act" instead of Administration, since that was the name of the bill that created it; accept AAA on the 10-point clue]

9. For ten points each, name the British authors of these works.

a) *The Hound of the Baskervilles*

Answer: Sir Arthur Conan **Doyle**

b) *The Lord of the Flies*

Answer: William **Golding**

c) *Brave New World*

Answer: Aldous **Huxley**

10. Given definitions from an acid-base theory, name the theory for ten points each.

a) Acids contain hydrogen and bases contain hydroxide ions.

Answer: **Arrhenius** theory

b) Acids are the same as in Arrhenius's model, but bases are defined as being able to accept a hydrogen ion.

Answer: **Bronsted-Lowery** theory

b) Acids are electron-pair acceptors; bases are electron-pair donors.

Answer: **Lewis** theory

11. Name these Roman emperors for ten points each.

a) This emperor committed suicide in AD 69, causing the power struggle known as the Year of the Four Emperors. His foibles may have been exaggerated in the writings of the not-exactly-neutral Suetonius and Tacitus.

Answer: **Nero** Claudius Caesar Augustus Germanicus; or Lucius Domitius **Ahenobarbus**

b) Unlike Nero, this emperor's eccentricities were clearly not exaggerated – he flat-out went insane, prompting his murder in AD 41 by the Praetorian Guard.

Answer: **Caligula**, or Caius Caesar Germanicus

c) Reigning from 69 to 79, he founded the Flavian dynasty after the wars following Nero's death.

Answer: **Vespasian**; or Caesar **Vespasianus** Augustus; or Titus Flavius **Vespasianus**

12. Name that –ism! FTPE, identify the American or Anglo-American literary movement from some of its authors.

a) Henry David Thoreau, Ralph Waldo Emerson

Answer: **transcendentalism** (or –ist)

b) William Dean Howells, Mark Twain, Henry James

Answer: **realism** (or –ist)

c) Amy Lowell, Ezra Pound, Hilda Doolittle

Answer: **imagism** (or –ist)

13. For ten points each, identify these caves of note.

a) The most extensive cave system discovered so far, it includes over 560 km of passages.

Answer: **Mammoth Cave**

b) Discovered near Montignac, France in 1940, these caves feature approximately 16,000-year old paintings of large animals, particularly of aurochs.

Answer: Caves of **Lascaux**

c) A series of caves, some of which included libraries with built in shelves, was the hiding place of the Dead Sea Scrolls.

Answer: **Qumran Caves**

14. Imagine, if you will, a 4 kg block sits on a table in a world without friction and where g is exactly 10 meters per second per second. FTPE...

a) First, what is the normal force on the block?

Answer: **40 Newtons**

b) How much work is done if the block is moved six meters at a constant velocity of 6 meters per second?

Answer: **0 Joules**

c) Finally, suppose that the block, still traveling at 6 meters per second, sails off the edge of the table, which is (strangely) 20 meters tall. How far horizontally will the block travel before hitting the ground?

Answer: **12 meters**

15. For ten points each, name the host city of these future Olympic Games.

a) The 2006 Winter Games.

Answer: **Turin**

b) The 2008 Summer Games.

Answer: **Beijing**

c) The 2010 Winter Games.

Answer: **Vancouver**

16. Answer the following about wars in the Middle East FTPE:

a. This war began with a pre-emptive Israeli strike against the air forces of Egypt and Syria. At the end of the war, Israel had captured the Golan Heights, West Bank, Gaza Strip, and Sinai Peninsula.

Answer: **The Six Day War** or the **1967 War**

b. The crisis that precipitated this war began with the August 2, 1990, invasion of Kuwait by its much larger neighbor. After a January 15, 1991, UN deadline passed, a large, multinational coalition began a counter-offensive from neighboring nations, including Saudi Arabia, Bahrain, and Qatar.

Answer: **Operation Desert Storm** (accept Persian **Gulf War I** or equivalents)

c. This nation was in a civil war from 1975-1990. Syrian troops entered in 1976 to help Maronite militias, while Israeli forces invaded in 1982 to evict the PLO. A 2005 “Cedar Revolution” seeks the removal of the remaining Syrian troops.

Answer: **Lebanon** or the **Lebanese Republic**

17. For the stated number of points, answer the following questions.

5) What is the scientific name for the phenomenon we call the Northern Lights?

Answer: **Aurora Borealis** [prompt on aurora]

15) What is the scientific name for the *Southern* Lights?

Answer: **Aurora Australis**

10) What planet in our solar system has also shown signs of Auroric activity?

Answer: **Jupiter**

18. Identify the musical instruments from descriptions for ten points each.

a) Similar to a xylophone, it is smaller, higher in pitch, and uses metal bars.

Answer: **Glockenspiel**

b) This is a small and quiet keyboard instrument. The strings are set parallel to the layout of the keyboard (unlike in a piano) and are struck by brass tangents at the end of the keys (unlike in a harpsichord).

Answer: **Clavichord**

c) This simple instrument consists of two small wooden boards attached at one end by a hinge. If the maker has been kind there will also be handles attached to the boards to prevent one's fingers from becoming smashed between the boards.

Answer: **Whip or Slapstick**

19. For ten points each, identify the following cathedrals from description:

a) Situated on the Ile-de-la-Cité, it was the location in which Napoleon crowned himself emperor.

Answer: **Notre Dame**

b) This small English cathedral contains the Altar of the Sword's Point and the tombs of the Black Prince and Thomas á Becket.

Answer: **Canterbury**

c) This cathedral in Moscow consists of nine chapels topped by domes. Supposedly its creator was blinded so that he could never create anything to rival its beauty.

Answer: **St. Basil's Cathedral**

20. (5,10,15) Answer these questions about writers of Soviet Russia:

(5) This prolific author was sharply critical of the Soviet regime in 'The Gulag Archipelago' and 'One Day in the Life of Ivan Denisovich'.

Answer: Alexander **Solzhenitsyn** [sol-zhen-eet-sin]

(10) This man is famous as a poet in Russia, but in the West is better known for his novel 'Doctor Zhivago'.

Answer: Boris **Pasternak**

(15) This pioneer of Socialist Realism was so influential he had the city of Nizhny Novgorod renamed after him. His short stories include 'Mother' and 'Twenty-six Men and a Girl'.

Answer: Maxim **Gorky**

21. FTPE, name the crystal system from a description.

a. Axes in this system are of equal length and mutually perpendicular to each other. All crystals in this system possess four three-fold axes of symmetry.

Answer: **isometric or cubic**

b. This system has three unequal axes. Two are inclined towards each other at an oblique angle. The third is perpendicular to the other two. Crystals demonstrate a single two-fold rotation axis and/or a single mirror plane.

Answer: **monoclinic**

c. The three axes in this system are mutually perpendicular. The two horizontal axes are of equal length, while the vertical axis is of a different length than those two. Minerals in this class all possess a single four-fold symmetry axis.

Answer: **tetragonal**

22. Given a famous conductor, identify the city with which he is best associated, FTPE.

(10) Fritz Reiner, whose Reiner's orchestra plays indoor 'cuz its windy outside.

Answer: **Chicago**

(10) Herbert von Karajan [CARRY-ON]; his orchestra played when the east side and the west side came back together.

Answer: **Berlin**

(10) George Szell, whose orchestra rocks.

Answer: **Cleveland**

**VISUAL BONUS -- ROUND TWO**

Name the artist from a self-portrait, 5-10-20-30:

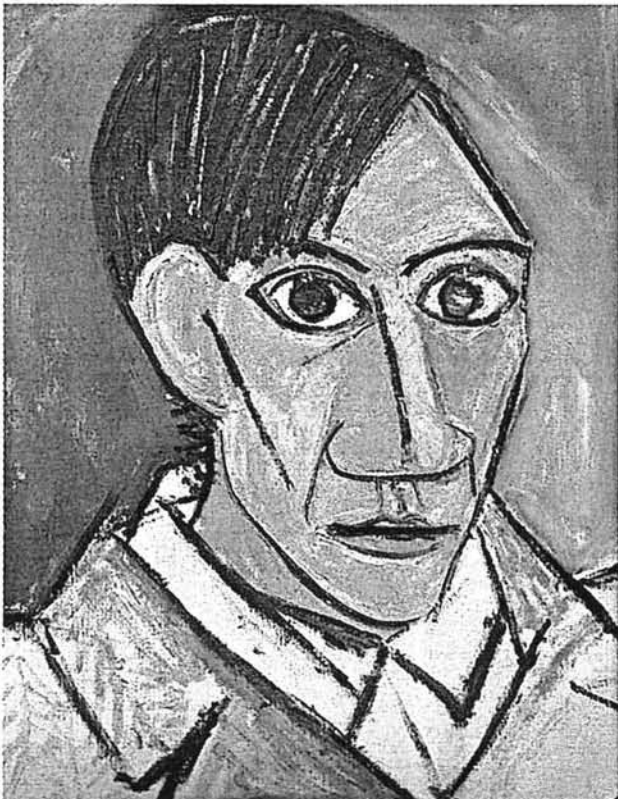
A.



B.



C.



D.

