

1. Its commander was the Duke of Medina-Sidonia. Not all members of its crews spoke the same language, and its captains seemed ill at ease in the confined quarters of the English Channel, both crucial factors in its eventual destruction of the coast of Gravelines. Launched partly because of Phillip II's outrage over the execution of Mary, Queen of Scots, FTP, what fleet was destroyed by the English in 1588?

Answer: the **Spanish Armada**

2. More an ideology than an established religion, it's beginnings are traced roughly to the 5th century BCE. Temples built for worship are public edifices designed for annual ceremonies. The keynote of its ethics is *ren*, variously translated as "love", "goodness," "humanity," and "human-heartedness." FTP name this ideology, a major social force in China from the 2nd century BCE until the mid-twentieth century, known for its golden rule, "Do not do to others what you do not want done to yourself."

Answer: **Confucianism** (do NOT accept Confucius)

3. First established in September 1981, in RFC 791, RFC 1149's implementation of this protocol with carrier pigeons was recently carried out by a Norwegian group. This protocol is the routing layer for messages, as almost all other protocols use this one for frame transmission between hosts. FTP, give the name of this protocol, which along with TCP is the standard for electronic communication.

Answer: **IP or Internet Protocol**

4. The Richard Dreyfuss film *Moon Over Parador* owes a debt to this 1894 novel, which was followed by an 1898 sequel, *Rupert of Hentzau*. Its hero is Rudolf Rassendyll, an English gentleman who bears an uncanny resemblance to the king of Ruritania, whom he impersonates in order to save him from a treasonous plot. FTP name this Anthony Hope novel.

Answer: The **Prisoner of Zenda**

5. It is a special property of planar, cyclic, conjugated systems having a configuration of $(4n+2)$ conjugated pi electrons. The delocalization of those electrons gives these types of compounds special chemical stability. The most common one is benzene, which has six pi electrons. FTP what name is given to these compounds which have often have a pleasant odor?

Answer: **aromatics** (acc. aromatic hydrocarbons)

6. She has been working with choreographers Lori Nichol and Sarah Kawahara since her October split with longtime coach Frank Carroll. Her autobiography is called *Heart of a Champion*. In 1994, she was World Junior Champion & placed 8th in the regular Championships. Her first US & World titles came in 1996. FTP, name this 2002 US Ladies Figure Skating champion, whose favorite colors are probably not silver and bronze.

Answer: Michelle **Kwan**

7. Discovered by Dutch scientist Heike Kamerlingh-Onnes in 1911, occurring within two objects with this property is a disturbance of a crystal lattice creating an attraction so strong that it binds electrons together into Cooper pairs. Helium's critical temperature to be 4.2 K, while compounds containing mercury can exhibit it at close to 125 K. This is, FTP, what low-temperature phenomenon, in which resistance in certain materials drops to zero?

Answer: **superconductivity**

8. He excelled in depicting conflict between illusion and reality and the isolation of the individual not only from society, but also from himself. He explored these themes in such dramas as *The Man with the Flower in His Mouth* and *Right You Are If You Think You Are*. FTP name the winner of the 1934 Nobel Prize for Literature, best remembered for *Six Characters In Search of An Author*.

Answer: Luigi **Pirandello**

9. Toward the end, his body was swollen grotesquely from dropsy, and this former president died in 1845, less than ten years after leaving office. In better days, he said that "the duties of public office are so plain and simple that men of intelligence may readily qualify themselves", thus justifying his innovation of the "spoils" system. FTP identify this "King Veto," robbed of the presidency by 1824's "Corrupt Bargain," who was also called "Old Hickory."

Answer: Andrew **Jackson**

10. He designed Chandigarh, a new capital for India's Punjab region, which was appropriate because of the emphasis most of his works placed upon low-tech building methods for mass housing built by cheap, Third World labor. His design for the Notre-Dame-du-Haut chapel at Ronchamp, with its sweeping curves and roughly textured concrete, displays an abandonment of modernist purity thirty years before "post-modernism" came into vogue. FTP, people around the world devolving in vandalized blocks of box-like high rises can thank what Swiss-French architect?

Answer: **Le Corbusier** (acc. Charles Edouard **Jeanneret**)

11. She was born in Decatur, Alabama, but raised in Chicago. She entered Stanford at age 16 on a scholarship, and earned degrees in Chemical Engineering and Afro-American studies. From there she went to Cornell School of Medicine and earned her MD. But her real claim to fame took place on September 12, 1992. FTP name the first African-American woman in space.

Answer: **Mae Jemison**

12. William Whitehead, Henry James Pye, Alfred Austin, Thomas Shadwell, Colley Cibber, Sir William Davenant, Sir John Betjeman, Robert Southey, Ted Hughes, Alfred Lord Tennyson, and William Wordsworth. FTP, these people all held what post, whose earlier holders include Skelton, Spenser, and Chaucer?

Answer: **Poet Laureate** of England

13. The second one began after the boarding of the British ship *Arrow*. The first resulted from the British desire to offset a negative currency flow to a nation which accepted only currency in most trades. In 1840, in response to the actions of Lin Zexu, 16 British warships sailed to the Pei Ho river and attacked Canton. The second ended with the Treaty of Tianjin, while the first ended with the Treaty of Nanking, which gave Hong Kong to the British. FTP, identify these wars, named for the material the British exported into China to offset the currency flow.

Answer: **Opium War(s)**

14. Born in 495 BCE, little is known of his life, except that he stopped at Athens when he was 65 and probably met the young Socrates. His writings were consciously in opposition to Heraclitus, as he insisted on the permanence of things. He was also the first to enunciate the Law of the Excluded Middle: either something is, or it is not. FTP who is this pre-Socratic philosopher and author of "On Nature"?

Answer: **Parmenides**

15. Background characters in the novel include Frances Clyne, Bill Gorton, and Mike Campbell. The proprietor Montoya notes that the narrator has "aficion," as the group of expatriates meets for the festival of San Fermin. The central characters are a young war widow, a former Princeton boxer, a young bullfighter, and a man who suffered an unfortunate injury in World War I. Set mostly in Paris and Pamplona, FTP, name this 1926 novel, the first major novel by Ernest Hemingway.

Answer: **The Sun Also Rises**

16. This city's oldest gathering area, Marion Square, a site of Revolutionary War battlements, is undergoing renovation. In 2000, the NAACP's boycott of its state led some artists to avoid the city's annual classical music festival Spoleto, founded by Gian Carlo Menotti. FTP name this Southern city at the confluence of the Ashley and Cooper Rivers which is drawing new tourists to look at the remains of the Confederate sub Hunley, the largest city in South Carolina.

Answer: **Charleston**

17. Considered an omen of ill fortune, it supposedly can be seen during stormy weather off the Cape of Good Hope. Walter Scott wrote that originally it was laden with precious metal and a horrible murder occurred on it; then plague broke out among the crew, so no port would allow it to anchor. Thus it wanders endlessly. FTP this describes what ship, the title vessel of a Wagner opera?

Answer: **Flying Dutchman** (or **Fliegende Hollander**)

18. The novel ends when Lord Agelmar's army wins a massive victory at Tarwin's Gap while the deaths of Aginor, Balthemel, and the Green Man occur at the title location. The action starts when Trollocs raid three farms near the village of Emond's Field, which prompts Moiraine to take Mat, Perrin, and Rand from the village to begin the quest of defeating the Dark One. For 10 points - identify this novel, the first book of Robert Jordan's series *The Wheel of Time*.

Answer: **The Eye of the World**

19. Not everyone involved kept silent or toed the line. Hugh Sloan resigned as campaign treasurer when he first suspected improprieties. One of the convicted burglars, James McCord, wrote a letter to Judge John Sirica telling him the full truth was not being divulged. White House Counsel John Dean tried to warn his boss and eventually spilled some of the beans. But the most damning disclosure came from Alexander Butterfield, who didn't know the White House conversation taping system was supposed to be secret. FTP name the scandal that brought down the administration of Richard Nixon.

Answer: **Watergate**

20. It functions as both an exocrine and endocrine gland, and its alpha cells produce glucagon to help blood sugar levels stay normal. It consists of a head, body, and tail, and is a flattened organ located behind and below the stomach. Its endocrine tissue is called the islets of Langerhans. FTP what is this organ which is responsible for producing insulin?

Answer: **pancreas**

21. It is the name of the evil character who kills the half-wit Tommy and rapes Temple Drake in Faulkner's novel *Sanctuary*. It is also the nickname of the legendary New York narcotics officer Jimmy Doyle, portrayed by Gene Hackman in the French Connection. FTP what is this name shared by the enemy of Bluto, the spinach-eatin' sailor man?

Answer: **Popeye**

22. In the Eastern Orthodox Church it lasts 80 days but does not count Saturdays or Sundays. In Western tradition it is often preceded by festivals such as Shrove Tuesday in Britain, Carneval in Brazil, and Mardi Gras. It lasts for 40 days, beginning with Ash Wednesday. FTP name this period preceding Easter, traditionally observed by fasting and penitence.

Answer: **Lent**

23. He was elected a fellow of the Royal Society of London, but fell out of favor with them when he failed to complete his mechanical calculating machine. Considered very important in philosophy as well as mathematics, he wrote such works as *Dissertation on the Combinatorial Arts* and *On Perplexing Cases*. But he is probably better known for his correspondence with Isaac Newton. For 10 points, name this co-inventor of calculus.

Answer: Gottfried Wilhelm von **Leibniz**

1. From a description, name these characters from Fox's college sitcom, *Undeclared*, FTPE.
 - a) The string-bean freshman played by Jay Baruchel who imagines the girl down the hall is his soul mate.
Answer: Steven Karp (accept either name)
 - b) That girl down the hall, played by Carla Gallo, who seems to reciprocate Karp's feelings when she isn't with her Kinko's clerk boyfriend.
Answer: Lizzie Exley (accept either name)
 - c) Played by former *Freaks and Geeks* actor Seth Rogan, he emptied a half keg of beer into every container he could find, lost big in on-line stock trading, and saved friend Lloyd from an amorous RA.
Answer: Ron Garner (accept either name)
2. Answer the following questions about a block on an inclined plane FTPE.
 - 10) What is the term for the reaction force to gravity, which always acts perpendicular to the surface of the plane?
Answer: **normal force**
 - 10) If the block slides down the plane, what type of friction force, which is smaller than static friction, will act on the block?
Answer: **kinematic**
 - 10) Friction is an example of what type of path dependent force, which can disperse energy as heat?
Answer: **nonconservative**
3. "The play's the thing," as our friend Will would say. Given the title of a drama, name its author FTSNOP:
 - a) 5 pts The Crucible
Answer: Arthur **Miller**
 - b) 5 pts Who's Afraid of Virginia Woolf?
Answer: Edward **Albee**
 - c) 10 pts True West
Answer: Sam **Shepard**
 - d) 10 pts A Moon for the Misbegotten
Answer: Eugene **O'Neill**
4. Answer the following questions about labor and the law in the U.S. FTPE:
 - (A) This 1935 act prohibited employers in interstate commerce from committing unfair labor practices relating to collective bargaining.
Answer: **Wagner Act** (acc. National Labor Relations Act)
 - (B) Many of the Wagner Act's provisions were softened by this 1947 law less friendly to labor.
Answer: **Taft-Hartley Act**
 - (C) In 1981 Federal workers belonging to a union called PATCO went on strike. Invoking a little-known provision that made it illegal for Federal employees to strike, Reagan fired all 13,000 strikers. What profession did PATCO represent?
Answer: **air traffic controllers**
5. Answer the following about angles FTPE. You have 10 seconds for each part.
 - A. The hour hand of a clock rotates how many degrees in thirty minutes?
Answer: **15** degrees
 - B. If two angles are supplementary, how many degrees are in the larger angle if one angle is 5 times greater than the other is?
Answer: **150** degrees
 - C. A rotation of how many degrees is needed to turn from southeast to north in a clockwise direction?
Answer: **225** degrees

6. Given a line from a Samuel Taylor Coleridge poem, name it, 5-10-15.

5. Water, Water everywhere and not a drop to drink

Answer: **The Rime of the Ancient Mariner**

10. The shadow of the dome of pleasure / Floated midway on the waves / Where was heard the mingled measure / From the fountain and the caves

Answer: **Kublai Khan**

15. The lovely lady, Whom her father loves so well, What makes her in the wood so late, A furlong from the castle gate ?

Answer: **Christabel**

7. In the words of Johnny Cash, "Well, Custer split his men... well, he won't do **that** again." Answer these questions about the battle in which Colonel George Custer lost his life FTSNOP:

First, for five points, name that battle.

Answer: **Little Big Horn**

Now for five points each, name the Indian tribe that defeated Custer, the state in which the battle was fought and the year of the engagement.

Answer: **Sioux; Montana; 1876**

Finally, for ten points, what was the number of Custer's regiment.

Answer: **7th cavalry**

8. Answer the following about an accidental scientific breakthrough in 1928 FSNOP.

(5 pts.) When a scientist left a petri dish containing staphylococcus uncovered, he discovered that a mold had halted the bacteria. This antibacterial agent he called what?

Answer: **penicillin**

(10pts.) What scientist isolated and named penicillin?

Answer: **Alexander Fleming**

(15pts.) What British scientist shared the 1945 Nobel for Physiology and Medicine with Fleming and Ernst Chain for his work in creating a process to isolate sufficient quantities of penicillin to conduct definitive human trials?

Answer: **Howard Florey**

9. Supply the following musical terms from brief definitions FTP each.

(A) This Italian word describes choral music without instrumental accompaniment.

Answer: **a capella**

(B) These short, characteristic musical patterns symbolize people and ideas, and were immortalized in Wagner's compositions.

Answer: **leitmotifs**

(C) This polyphonic form invented in the 13th century consists of three or four-voice compositions built on a previously selected melody called a "tenor".

Answer: **motet**

10. Identify the father and mother of each of these figures from Greek mythology for five points each.

Orestes, Iphigenia, and Electra

Answer: **Agamemnon and Clytemnestra**

Eteocles, Polyneices, Antigone, and Ismene

Answer: **Oedipus and Jocasta**

Persephone

Answer: **Zeus and Demeter**

11. Answer the following concerning the appearance of Europeans in Mexico FSNOP

(5 pts.) In 1519 this Spaniard came ashore in Mexico and marched inland.

Answer: **Hernando Cortez**

(5 pts.) This Aztec king welcomed Cortez's appearance as that of a fabled god.

Answer: **Montezuma**

(10pts.) Cortez's light skin made Montezuma believe that Cortez was the incarnation of what returning Aztec god?

Answer: **Quetzalcoatl**

(10pts.) What Aztec capital, now the site of Mexico City, did Cortez take?

Answer: **Tenochtitlan**

12. Given a description, name the dramatic form or school of drama FTPE.

These Japanese plays differ from Kabuki in that they deal with historical themes and often have Buddhist overtones.

Answer: **Noh**

These medieval dramas were based on the Bible and grew out of dramatically expanded presentations of the events of Christ's life.

Answer: **mystery plays**

Major figures of this 20th century school include Eugene Ionesco, Jean Genet, and Tom Stoppard, and its works emphasize the arbitrariness and meaninglessness of existence.

Answer: **Theater of the Absurd**

13. While their names may be familiar to hockey fans, they may not be as recognizable for their achievements.

FTPE, name the person for whom a hockey trophy is named:

a) He was the first president of the NHL, serving from 1917 to 1943. The trophy named for him goes to the best rookie.

Answer: **Frank Calder**

b) A manager-coach of the Boston Bruins, he played for the Kenora Thistles and Montreal Wanderers. His namesake trophy is given to the leading scorer (combined goals and assists)

Answer: **Art Ross**

c) He played for the Montreal Canadiens from 1910 to 1925, dying from tuberculosis in 1926. The trophy in his name is given to the most valuable goalie

Answer: **Georges Vezina**

14. FTP apiece, answer these questions about an electronic device.

a) In 1956, William Shockley, John Bardeen, and Walter Brattain won the Nobel prize for their invention of this device.

Answer: **transistor**

b) This technique adds impurities to a transistor to make it work more efficiently, by serving as a source for either holes or excess electrons.

Answer: **doping**

c) For a final ten points, all or nothing, most transistors made today are of the MOSFET type. What does MOSFET stand for?

Answer: **Metal-oxide-semi-conducting field-effect-transistor** (accept ...semi-conductor... as well)

15. Name these 16th-century religious reformers on a 15-5 basis.

A. 15 – He served as a pastor in Frankfurt and Geneva from 1553-59, while in exile from his native land because of the ascent of a Catholic to the throne.

5 – He is generally considered the founder of Scottish Presbyterianism.

Answer: **John Knox**

B. 15 – Educated in Vienna and Basel, he was influenced by Luther and began preaching reformist ideas in 1518. The main points of his *67 Articles* were adopted by most priests in his city.

5 – Under his leadership, Zurich became the center of the Swiss reformation movement.

Answer: **Ulrich or Huldrych Zwingli**

16. Identify the Shakespearean character who says the following FTPE.

"Neither a borrower nor a lender be."

Answer: **Polonius** (in *Hamlet*)

"I am a man/More sinn'd against than sinning."

Answer: **King Lear**

"'Tis not so wide as a church door nor so deep as a well, but 'tis enough t'will serve.."

Answer: **Mercutio** (in *Romeo and Juliet*)

17. Given a 19th or 20th century work of art, tell both who created it, and to what art movement it belongs, FFPE.

a) The urinal called "Fountain"

Answer: **Marcel Duchamp; Dadaism**

b) Lipstick

Answer: **Claes Oldenburg; Pop Art**

c) A Sunday Afternoon on the Island of La Grande Jatte

Answer: **Georges Seurat; Pointillism**

18. 30-20-10 name the British monarch.

30) The son of Lord Darnley, he traced his lineage to the Tudors through Henry VII, his great-great-grandfather.

20) His mother, Mary, was executed, and he himself called for the execution of Walter Raleigh to appease the Spanish.

10) King of Scotland for 58 years and of England for 22, he authorized the first widespread printing of the Bible.

Answer: **James I**

19. They include freezing-point depression and boiling-point elevation. For 15 points each:

a) First, name these chemical properties.

Answer: **colligative** properties

b) Many colligative properties are dependent on what concentration, defined as the moles of solute per kilogram of solvent?

Answer: **molality** [NOT molarity]

20. Name these statistical concepts FTPE:

a. This is the most common data value in a data set

Answer: **mode**

b. Also called the 75th percentile, it is a number that three-quarters of a data set is less than.

Answer: **third quartile** or **Q3**

c. This measure of spread is equal to the largest value in a data set minus the smallest value

Answer: **range**

21. Identify the nation from clues on a 30-20-10 point basis.

30- Its cities include Tuzla, Mostar, and Banja Luka

20- Its co-Prime Ministers are Radisic, a Serb, and Izetbegovic, a Muslim

10- World War I started there when Franz Ferdinand was killed in its capital, Sarajevo.

Answer: Federation of **Bosnia & Herzegovina** (prompt on "Bosnia")