

1. The inverse of this unit is the Siemens, which is the SI unit of conductance. It is the SI unit of reactance and impedance. Its namesake found that most materials show a linear relationship between applied voltage and passed current. FTP, name this unit, equal to 1 ampere per volt, the SI unit of resistance.

Answer: **ohm**

2. While at Abraham Lincoln's second inauguration, he became so intoxicated that Lincoln insisted, "Whatever happens, don't let him talk outside". Elected to the U.S. Senate in 1856, he was the only Senator of the 11 seceded states to remain loyal to the Union, but he would later clash with the Republican Congress over Reconstruction policies as well as his dismissal of Edwin Stanton from his Cabinet. FTP, name this first U.S. President to be impeached.

Answer: **Andrew Johnson**

3. It introduced the phrase "green-eyed monster." Roderigo wants the love of a married woman, and enlists the help of Iago to help break up the marriage. Iago's plans backfire, and the woman, Desdemona, ends up being smothered by her husband, the title character, who believes she is having an affair. Modernized as the movie *O*, FTP, name this Shakespeare tragedy about jealousy.

Answer: **Othello**

4. They were formed by a guitarist of the Yardbirds, which explains why they were initially called The New Yardbirds. The drummer and lead singer were 19-year-old kids from the country and the bassist and guitarist were twenty-somethings who were already longtime professional musicians. FTP what band did Page, Plant, Jones and Bonham form in 1968 that eventually gave us such classics as "Kashmir" and "Stairway to Heaven?"

Answer: **Led Zeppelin**

5. This city's recent troubles are described in the book *Zlata's Diary*. The assassination of Archduke Franz Ferdinand in this city on June 28, 1914 is generally accepted as the trigger that set off World War I. Seventy years later the city hosted the Winter Olympics, only seven years before it was beset by war. FTP name this current capital of Bosnia and Herzegovina.

Answer: **Sarajevo**

6. It was first awarded in 1936 in Oslo, but because of World War 2, was not awarded again until 1950. Its creator wished it to recognize both existing mathematical work as well as the promise of future achievement. FTP name this award, the unofficial "Nobel prize for math," that was never awarded to Gerald Lambeau as *Good Will Hunting* would have us believe.

Answer: The **Fields Medal**

7. This royal family descended from Edynfed Fychan, a Welsh nobleman. ~~Owen Glendower got the family close to royal power after his revolt when he married the widow of Henry V.~~ Glendower's grandson Henry, after exile in Brittany, landed on the Welsh coast to claim the throne in 1485. Coming to power after the death of Richard III, FTP name this British royal house whose first ruler was Henry VII.

Answer: **Tudor**

8. Critics agree that it began soon after 1800 with the Romantic paintings of Walter Allston, though it really came into being after 1825. Works exemplifying the movement include Bingham's "Fur Traders Descending the Missouri" and Cole's "Course of Empire" series. The "Letters on Landscape Painting" by Asher Durand summed up this school's aims. FTP what is this American painting school centered around a New York natural feature?

Answer: **Hudson River** School

9. According to this concept fossil history should consist mostly of specimens from the extended period of stasis. Therefore, the absence of fossils from intermediate stages of evolution is considered evidence to back this theory. FTP name this theory, advocated by Stephen Jay Gould, which postulates long periods of little or no evolutionary change interrupted by geologically short periods of rapid evolution.

Answer: **punctuated equilibrium**

10. Mary Chase won a Pulitzer Prize in 1945 for this comedy, which specifies that the title character is 6 feet, 1 \_ inches tall. Two major characters are the fussy sister Veta Simmons and frantic niece Myrtle May, who are convinced they must get the main character, Elwood P. Dowd, committed to an asylum. The title character is Elwood's best friend, and invisible rabbit. FTP name this classic comedy.

Answer: **Harvey**

11. Its name comes from the porch in the Agora in Athens where its members liked to congregate to discuss ideas. No full works are extant by any of its great Greek thinkers, including Chrysippus and Cleanthes, so much of our current knowledge of the school's thought is based on writings by Roman followers like Epictetus. Believing that most emotions are born of false ideas, FTP name this school considered to be founded by Zeno of Citium.

Answer: **stoicism** (acc. stoics)

12. Bedridden till age seven, he outgrew his weakness to become an outstanding athlete at Trinity College, Dublin. After a 10-year stint as a civil servant, he spent his last 27 years as personal secretary to the famed actor Sir Henry Irving. He published his first short story in 1875, 15 years before his first novel, *The Snake's Pass*. FTP name the author of *The Jewel of Seven Stars*, *The Lair of the White Worm*, and *Dracula*.

Answer: **Bram (or Abraham) Stoker**

13. Sent on Sept. 6, 1899 to London, Paris, Berlin, and St. Petersburg, it requested that the Great Powers claiming spheres of interest in China should pledge not to close off the ports to one another, nor interfere with any "vested interest" already in their spheres. It also asked that the powers allow the application of the Chinese treaty tariff to the ports under their control without discrimination to nationals of other countries, nor levy higher harbor tolls against nationals of other countries. FTP, what was this note or policy, ever after associated with US Secretary of State John Hay?

Answer: **Open Door**

14. It was first identified by Ghiorso and his colleagues at Berkeley in 1952 among the debris from the first large thermonuclear explosion earlier that year. Its original isotope was #253, but it was soon produced with an atomic weight of 254 and this has become its most common form. There are now 14 isotopes of this element recognized. FTP name this seventh transuranic element, with atomic number 99, named for the winner of the 1921 Nobel Prize for Physics.

Answer: **Einsteinium**

15. Born Chan Kwong-Sung, he was apprenticed to a Chinese opera school at age six by his parents. He went into the field that he is currently best known for as a small part stuntman; while performing his own stunts, he has broken his nose, ankle, both cheekbones, and his skull, among various other injuries. For ten points, name this star of action films like *Shanghai Noon* and the *Rush Hour* series.

Answer: **Jackie Chan**

16. Its writing was first suggested to the authors at the 1846 London Congress, and it was completed in December, 1847. Just a pamphlet, its famous first line is followed by this: "All the powers of old Europe have formed a holy alliance to exorcise this spectre." FTP name this short work co-written by Friedrich Engels and Karl Marx.

Answer: **Communist Manifesto**

17. It appears annually in mid-November, but is most impressive approximately every 33.3 years. The reason for this is that the dust and debris from the Tempel-Tuttle comet are clumped unequally over the Earth's orbit. Their last 'Great' appearance was in November of 1998. FTP what is this meteor shower, which seems to originate from the constellation governing most of August?

Answer: **Leonids**

18. It was heard for the first time in Oberndorf, Austria in 1818. As the story goes, it was performed at a Christmas Eve mass that year by lyricist Joseph Mohr and composer Franz Gruber. Organ repairman Karl Mauracher enjoyed the carol, took it with him on his travels, and in 1841 Americans heard this carol about a holy infant so tender and mild for the first time. FTP, identify this Christmas carol, about an evening where all is calm, all is bright.

Answer: **"Silent Night" or "Stille Nacht"**

19. Her first novel, published in 1982, it chronicled the trials of the Trueba family. Other novels about other branches of the family, such as *Daughter of Fortune* and *Portrait in Sepia*, followed the success of *The House of the Spirits*. FTP name this Chilean expatriate, the prolific author of *Eva Luna*.

Answer: Isabel **Allende**

20. It is a recurring character type in folktales of many cultures, as well as the apocryphal Old Testament Book of Tobit. When a traveler takes care of the burial or debts of a deceased person, soon thereafter the spirit of the deceased shows up in the visage of an animal or angel to help the travel. FTP name this character archetype, which inspired the name of a modern-day band of travelers led by the late Jerry Garcia.

Answer: the **grateful dead**

21. Home to DePaul and Loyola Universities, it is generally recognized as the world center of modern skyscraper architecture. The city features famous architectural landmarks such as Marina City, the John Hancock Center and the Auditorium Building by Louis Sullivan. Ferris Bueller celebrated his "Day Off" by visiting the Art Institute and Wrigley Field. FTP name this city which has long been surpassed by Los Angeles as the country's "Second City."

Answer: **Chicago**, Illinois

22. This son of Russian Jewish immigrants to the United States was born here in 1940. In the late 1950's he started a band called The Teddy Bears, but then decided that his real love was producing. FTP name this man behind the famous "Wall of Sound," a recluse who may or may not have killed actress Lana Clarkson, who was found dead in his mansion.

Answer: Phil **Spector**

23. Born to Jewish parents in Hanover in 1906, she received a degree from the University of Heidelberg where she taught until Hitler took power. Because of Nazism, she fled to the US where she taught at the New School for Social Research until her death in 1975. It was the regimes of Hitler and Stalin that influenced her work, giving rise to her first major publication, *The Origins of Totalitarianism*. FTP name this philosopher and author of *Eichmann in Jerusalem*.

Answer: Hannah **Arendt**

1. Answer the following about rookie quarterbacks in the NFL this year FTPE:

(a) The Bengals made this USC grad the #1 overall pick in this year's NFL draft, but are starting Jon Kitna ahead of him.

Answer: Carson **Palmer**

(b) The 3<sup>rd</sup> quarterback picked in the draft, this QB from Cal won the Ravens starting job from Chris Redman in training camp but has been disappointing so far.

Answer: Kyle **Boller**

(c) The Ravens got Boller only after trying to trade up to get this quarterback from Marshall, who has been impressive while taking over for injured starter Mark Brunell in Jacksonville.

Answer: Byron **Leftwich**

2. Given a simplified statement of it, name the law of thermodynamics FTPE.

10) Energy used in doing work will equal the amount of work done plus the heat lost in the process.

Answer: **First** Law of Thermodynamics

10) As temperature goes to absolute zero, the entropy S approaches a constant and thus all motion ceases.

Answer: **Third** Law of Thermodynamics

10) No heat flows between any two bodies that are in thermal equilibrium with each other.

Answer: **Zeroth** Law of Thermodynamics

3. Answer these questions about the US Supreme Court, 5-10-20-30:

A. How many justices were on the original US Supreme Court?

A: Six

B. How many justices are on the current US Supreme Court?

A: Nine

C. What president tried unsuccessfully to increase the number of justices to 15?

A: Franklin Roosevelt

D. What former president served as chief justice of the US Supreme Court after his term as president?

A: William Howard Taft

4. FTPE name these works by Ernest Hemingway, none of which were mentioned in the tossup earlier today:

(a) Cynical members of the "Lost Generation," exemplified by Jake Barnes and Lady Brett Ashley, aimlessly wander around post-World War I Europe.

Answer: **The Sun Also Rises**

(b) American teacher Robert Jordan puts his life on the line with antifascist guerrillas in the Spanish Civil War.

Answer: **For Whom the Bell Tolls**

(c) This stream-of-consciousness short story follows the thoughts of Harry as he is dying of gangrene while on safari.

Answer: "The **Snows of Kilimanjaro**"

5. Answer the following questions concerning Grace Hopper, the so-called "mother of computers" FTPE:

A. Identify her best-known computer-related invention.

A: Computer compiler (it is the program that translates English instructions into the language that the computer understands)

B. What computer language is Hopper credited with writing?

A: COBOL (Common Business-Oriented Language)

C. Possibly an urban legend involving a moth, but Hopper is credited with introducing what term to our lexicon that indicates a glitch in a computer system?

A: Computer bug

6. 30-20-10 Identify the painter.

A. (30) An ardent communist, he traveled to the Soviet Union twice, but his enthusiasm waned after he was treated poorly on his second visit. He revived the buon fresco technique for use in his public decorations for buildings.

B. (20) His Rockefeller Center mural was covered up after complaints were made about its inclusion of a flattering portrait of Lenin.

C. (10) This Mexican muralist had a tumultuous marriage to another painter, Frida Kahlo.

Answer: Diego **Rivera**

7. **VISUAL BONUS:** *[hand out attachment]* More Presidents from pictures, F5PE.

Answers:

7. Herbert **Hoover**
8. Gerald **Ford**
9. Millard **Fillmore**
10. Thomas **Jefferson**
11. Zachary **Taylor**
12. James **Garfield**

8. FTPE name these biomes:

(a) Tropical grasslands with scattered trees, typically found in areas of high temperature and moderate rainfall.

Answer: **savannah**

(b) During the summer, the upper soil becomes soggy and supports grasses and sedges, while a layer of deeper soil called permafrost remains frozen.

Answer: **tundra**

(c) Snow is the predominant precipitation in these coniferous forests prone to cold winters.

Answer: **taiga**

9. Identify these figures from The Acts of the Apostles, for ten points each.

Answer: In the first book of Acts, he is selected to replace Judas.

A: **Matthias**

B. In Acts 6 he is selected as a leader of the Church, in Acts 7 he gives a lengthy speech after being arrested and then becomes the first martyr, as he is stoned to death.

A: **Stephen**

C. In Acts 21 a mob tries to kill him in Jerusalem and he is arrested for his own safety. In Acts 25 he asks to be tried before the Roman Emperor and in Acts 27, he is shipwrecked on Malta while traveling to Rome.

A: **Paul** (prompt on Saul)

10. Answer the following about the novel Les Misérables FSNOP.

A. (5 pts.) Who wrote it?

A. Victor **Hugo**

B. (10 pts.) Who is the police inspector obsessed with the capture of Jean Valjean?

A. **Javert**

C. (15 pts.) This woman had to turn to prostitution to support her illegitimate daughter, Cosette.

A. **Fantine**

11. Identify these notable names and things from the Carolingian dynasty FTPE.

10) He ruled the Franks from 751 to 768. This son of Charles Martel was known for his military conquests.

Answer: **Pippin III -or- Pippin the Short**

10) This most famous Carolingian ruler supplied the name for the dynasty. One notable act of his reign is changing the monetary system used by Pippin the Short.

Answer: **Charlemagne** (Also acceptable: **Charles The Great, Karl der Große, Karl der Große, and**

**Carolus Magnus**)

10) After the death of Charlemagne, this 843 treaty divided the empire into three sections.

Answer: **Treaty of Verdun**

12. **THE NEWLY DEAD GAME:** The world was saddened to hear the news about the passing of John Ritter, who was of course best known as Jack Tripper on the popular sitcom *Three's Company*. Answer the following about the rest of his career FTPE.

10) Most recently, he was the father on this ABC sitcom.

Answer: ***8 Simple Rules For Dating My Teenage Daughter***

10) Ritter was marvelously evil as Ted, a maniacal yet oddly composed robot on this TV show co-starring Alyson Hannigan and Nicholas Brendon.

Answer: ***Buffy the Vampire Slayer***

10) One of his film roles came as the father of Juinor Healy, a disastrous little boy, in this comedy that spawned two sequels, one theatrical and one made-for-television.

Answer: ***Problem Child***



13. So you think you know all your U.S. capitals, eh? On a 5-10-20-30 basis, give the capitals of these U.S. *territories*:

a) Puerto Rico

Answer: **San Juan**

b) Guam

Answer: **Agana** or Hagatna

c) U.S. Virgin Islands

Answer: **Charlotte Amalie** [prompt on partial answer]

d) American Samoa

Answer: **Pago Pago** [actually pronounced Pango Pango, but accept phonetically plausible pronunciations]

14. Yes, more ions. Give the chemical formula of the following anions F5PE, and the charge for another 5 pts.:

10) peroxide

Answer: **O<sub>2</sub>, -2**

10) phosphate

Answer: **PO<sub>4</sub>, -3**

10) hypochlorite

Answer: **ClO, -1**

15. Given a quote from a famous literary work, name the work and the author of the quote, 5 pts. per each part:

a. "It was the best of times, it was the worst of times."

Answers: Charles **Dickens** ; **A Tale of Two Cities**

b. "Rose is a rose is a rose."

Answers: Gertrude **Stein** ; "**Sacred Emily**"

c. "A thing of beauty is a joy forever."

Answers: John **Keats** ; "**Endymion**"

16. Answer the following questions concerning the European bombing campaign in World War II for 10 points each.

A. Name the German city that was firebombed on February 14-15, 1945.

A: Dresden

B. Identify any one of the incendiary agents used by the Royal Air Force (RAF) and US Air Force (USAF) to create the Dresden firestorm.

A: Magnesium, phosphorus or napalm (or naphthene palmitate) (accept any one of the three as correct)

C. The firebombing of Dresden is a central plot point in what Kurt Vonnegut novel?

A. Slaughterhouse-Five

17. FTSNOP, answer these questions about the Planets Suite.

(10) Who composed the Planets Suite?

Answer: Gustav **Holst**

(5 each), these are the two planets that are not represented in the Planets Suite.

Answer: **Earth** and **Pluto**

(10) In the traditional order of performance, this planet comes first.

Answer: **Mars**

18. Name these parts of your brain FTPE.

A. This is the network of fibers that connects the two hemispheres.

Answer: **corpus callosum**

B. This structure connects the upper portion of the spinal cord to the brain and is itself the inferior portion of the brain stem.

Answer: **medulla** oblongata

C. Lying above the medulla and anterior to the cerebellum, this structure, Latin for "bridge," connects the medulla to the midbrain.

Answer: **pons**

19. Greek philosophers FTPE.

A. This thinker from Samos proposed a heliocentric theory 1,900 years before Copernicus.

A. Aristarchus

B. This Ionian explained eclipses and proposed that the sun was a burning rock.

A. Anaxagoras

C. This Milesian left no writings and is best known for his theory that water is the primary substance of all things.

A. Thales

20. Provide the -ism with which the following writers are most closely associated FTPE.

A. Andre Breton; Paul Eluard

Answer: **Surrealism**

B. Stephan Mallarme; Arthur Rimbaud (ram-bo)

Answer: **Symbolism**

C. Margaret Fuller; Henry David Thoreau

Answer: **Transcendentalism**

21. Identify the following scientific organizations from their abbreviations, FTPE.

A. HGP

Answer: **Human Genome Project**

B. USDA

Answer: **United States Department of Agriculture**

C. NSF

Answer: **National Science Foundation**

1.



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