1. One leader in this conflict, Nicias, arranged for a fifty-year truce, however, this was broken when Alcibiades convinced one side to launch the Sicilian Expedition. Partly because of the removal of Alcibiades from the expedition, it utterly failed, and much of the Athenian navy was lost. Earlier, in the second year of this war, a plague struck Athens, killing Pericles. FTP identify this war between the Delian League and Sparta and her allies.

   A: **Peloponnesian** War

2. This text is thought to have been the primary influence on the non-canonical Gospel of the Ebionites [EBB-ee-oh-nights] and was likely written around 85 AD. Differences from the other synoptic gospels include the visit of the magi and the massacre of the innocents. It was primarily directed toward a Jewish-Christian audience and begins with a genealogy of Jesus. FTP name this first book in the New Testament.

   A: **Gospel of/According to Matthew**

3. During this war, the Earl of Warwick became known as the "Kingmaker" for his services to both sides. The first battle in it occurred at St. Alban's in 1455, after Henry VI regained his sanity and removed Richard, a duke, from the post of regent. The conflict was brought to France when Charles the Bold of Burgundy allied with the Yorks. FTP name this thirty-year war ending with the defeat of Richard III by Henry Tudor at Bosworth Field.

   A: **War of the Roses**

4. This Dancing Elk High School student's problem, partly caused by orange tic tac-obsessed Paulie Bleeker, seems solved when she and her best friend Leah discover a want ad in the *Pennysaver* placed by the Lorings. Later, however, only Vanessa Loring is able to fulfill the original agreement between this titular teenager and the couple. For ten points, name this pregnant, teenage creation of Diablo Cody played by Ellen Page in a 2007 movie which won Cody the Academy Award for Best Original Screenplay.

   A: **Juno MacGuff** (prompt on **MacGuff**)

5. This caliphate had its first capital at Harran. Notable caliphs include Harun al-Rashid, Al-Mamun, and its namesake. Though they received extensive aid from the Shiites during their overthrow of the Umayyads and their claim to the throne was based on relation to the prophet Muhammad, this caliphate espoused Sunni Islam. FTP name this caliphate of Baghdad that ruled much of the Middle East and Northern Africa from 750 to 1258.

   A: **Abbasids** Accept **al-'Abbāsīyūn**

6. The narrator of this novel about a futuristic society blind to its violent youth culture becomes involved in a political struggle after being brainwashed in prison, leaving him unable to enjoy classical music as well as engage in violence. The narrator returns to his old ways when the government reverses Ludovico's Treatment in exchange for his support, but in the end thinks about changing his ways when he

sees the life that one of his friends, Pete, has built. FTP name this novel by Anthony Burgess whose narrator is the Nadsat-speaking Alex Delarge.

> A: *A Clockwork Orange*

7. One siege in this war occurred at Khe Sanh, while another was at An Loc, where the Easter Offensive of one of the combatants failed to defeat the ARVN forces. Another offensive by the same belligerent occurred during a holiday in 1968. During the same year, a massacre of civilians occurred at My Lai. In the U.S. Operation Rolling Thunder, bombing missions attempted to destroy the morale of the north in this war. FTP, name this conflict in Southeast Asia in which the communist north was victorious.

> A: **Vietnam** War

8. A small, silver crucifix can be seen in the top left of this painting, and items on the table include two globes and an astrolabe. Inscriptions on one figure's book and the other's dagger declare their ages to be 25 and 29, respectively. Their dress is vastly different, with the man on the left in secular clothing and the man on the right in clerical attire. The background consists of a large green curtain while the foreground is a mosaic floor. FTP name this Hans Holbein painting that includes a notable anamorphic skull.

> A: *The Ambassadors*

9. While teaching at the St. Petersburg Conservatory, he instructed such notable pupils as Sergei Prokofiev and Igor Stravinsky. His final opera, *The Golden Cockerel*, was suppressed by the government for its anti-tsarist themes. Among his greatest orchestral works are the *Capriccio Espagnol* and the symphonic suite *Scheherezade*. He completed Borodin's opera *Prince Igor* as well as editing and orchestrating many works of fellow members of The Five. FTP name this Russian composer of *The Tale of Tsar Sultan* which contains the famous *"Flight of the Bumblebee."*

> A: Nikolai **Rimsky-Korsakov**

10. The narrator of this novel ends up in his predicament due to the speeches of his schoolmaster, Kantorek. To the amusement of the narrator and his friends, Kantorek is later drafted. Corporal Himmelstoss is the other main antagonist of the narrator and his friends, including Tjaden and Katczinsky, besides the French army. FTP name this Erich Maria Remarque novel in which the narrator Paul Baumer dies on the day of the title report.

> A: *All Quiet on the Western Front*

11. This Baroque artist was born in Westphalia and practiced the Catholic Counter-Reformation style. Early works of this friend of Jan Brueghel the Elder include *Prometheus Bound*, *The Raising of the Cross*, and *The Descent From the Cross*. Heavily influenced by Italian Renaissance artists, he worked for several rulers, including Marie de' Medici. FTP name this Flemish artist known for painting large women.

> A: Peter Paul **Rubens**

12. Islands off the coast of this nation include Stewart, separated from it by the Foveaux Strait, and Chatham, to the east. The Bay of Plenty is on this nation's north coast, while Pegasus Bay is to the north of Christchurch. Its capital lies on Port Nicholson, which empties into the Cook Strait. Its major mountain range, Southern Alps, is on its South Island. FTP name this Pacific island nation whose cities include Auckland and Wellington.
 A: **New Zealand**

13. People who have only received one include David Davis, Walter B. Jones, and John Hospers. Long-time South Carolina Senator Strom Thurmond had 39, and Virginia governor Harry F. Byrd Sr. had 15. In 2000, Barbara Lett-Simons of the District of Columbia refused to give hers to anyone, and in 2004, one was given to John Edwards by accident. Walter Mondale only got 13, and Samuel Tilden notably couldn't get a 185th in 1876. FTP, name these selections, 270 of which are necessary to win the United States Presidential election.
 A: **Electoral Vote** Accept **Electoral College**

14. This theory was developed in 1912 by the German meteorologist Alfred Wegener, and the findings of Eduard Suess helped support it. Suess concluded, mainly as a result of fossil evidence, that a land mass containing several present continents existed in the south in the Jurassic period. This mass was named Gondwanaland, and broke apart into smaller plates according to a related theory developed in the 1960's. FTP, name this theory related to plate tectonics which states that continents float atop a liquid layer of the earth.
 A: **Continental Drift** (do not accept plate tectonics)

15. This play takes place in one night, during which one character's cancer is intended to be revealed by his two sons to their mother. However, their father is not fond of Gooper and Mae and the other couple hopes to inherit the estate. Most of the play follows the marital troubles of the other couple, including Brick's supposed love for his deceased friend Skipper, which disgusts Big Daddy. FTP name this Tennessee Williams play in which Maggie declares that she feels like the title feline.
 A: ***Cat on a Hot Tin Roof***

16. This Greek was often seen with a lantern in daylight, searching for an honest man. Born in Sinope, he relocated to Athens for disputed reasons. Described by Plato as "a Socrates gone mad," he was a student of Antisthenes (an-tis-thuh-nees). He was in turn a harsh critic of Plato, making a fowl fit Plato's definition of human by plucking its feathers. He is known for having asked Alexander the Great to get out of his sunshine. FTP, identify this Cynic who lived in a tub.
 A: **Diogenes**

17. Multiplying the moment arm times the force of an object will only give the magnitude of this quantity. The total amount of this quantity, along with force, must be equal to zero for something to be at static equilibrium. Power can be calculated

by multiplying this quantity by angular velocity and a constant of 2π. For ten points, name this quantity which is the rotational analog of force, equal to moment of inertia multiplied by angular acceleration.

A: **Torque**

18. The homogenous variety often consists of the reaction, the product, and this material in the liquid phase, while "heterogeneous" usually signifies that it is a solid and reactants and products are liquids or gases. In either case, the material creates new, faster steps in the reaction mechanism. A common example of this material is a protein that lowers the E_A [Big E sub Big A] of metabolic processes. FTP, name this foreign material, an example of which is the enzyme, which speeds up chemical reactions.

A: **Catalysts**

19. His cousin, Francis Galton pioneered the field of eugenics using information collected by this man on his most famous project. He married his cousin, Emma Wedgewood, granddaughter of the rich merchant Josiah Wedgewood. One of his most famous adventures occurred between 1831 and 1836 while he was a naturalist on a certain ship. That ship, the HMS Beagle, took a trip to the Galapagos Islands. FTP, name the author of *On the Origin of Species.*

A: **Charles Robert Darwin**

20. Bombs in World War II destroyed two of the originals, leaving only five standing in the current day. In the eponymous problem, three of the nodes have degrees of three, with a fourth having a degree of five, and the recognition of the irrelevance of the position of the namesake nodes is considered the precursor to the field of topology, as well as the first example of Graph theory. Solved by Leonhard Euler by showing it was impossible to make a complete circuit due to the odd degrees of the namesake nodes. FTP, name+ this problem, is named for a Prussian city and its crossings of the Pregel River.

A: **Seven Bridges of Königsberg Problem** Prompt on **Königsberg**

STOP HERE
You have reached the end of the round. Do not continue reading unless a question was thrown out or the game is tied.

21. This play centers on the question of what to do with a $10,000 life insurance check. Beneatha wants to use the money for medical school tuition, while Walter wishes to invest in a liquor store. However, Ruth and Mama want to buy a house, and Mama puts a down payment on a home in an all-white neighborhood. Walter loses the remainder of the money when his investment fails, but the play ends optimistically. FTP name this play by Lorraine Hansberry about the Younger Family which takes its title from a poem by Langston Hughes.

A: *A **Raisin in the Sun***

22. This British scientist proved that diamonds were composed only of carbon. He is also credited with disproving Lavoisier's theory that oxygen causes acidity. He is more famous for using the newly developed principles of electrochemistry to isolate alkaline and alkali earth metals. FTP, name this chemist who lends his name to a lamp used by miners.
A: **Sir Humphry <u>Davy</u>**

Bonuses
1. FTPE answer these related literature questions.
1) This man wrote *The Maltese Falcon* and *The Thin Man*.
A: **Samuel Dashiell <u>Hammett</u>**
2) This private detective is hired by Brigid O'Shaughnessy in *The Maltese Falcon*.
A: **<u>Sam</u> <u>Spade</u>** Accept partial name
3) The detectives in *The Thin Man* are Nick and Nora, a couple with this last name.
A: **<u>Charles</u>**

2. FTPE name the following works of art.
1) This marble statue by Myron supposedly features its title figure using an incorrect technique.
A: ***<u>Discobolus</u>*** Accept ***The <u>Discus Thrower</u>*** and reasonable equivalents
2) This painting by Winslow Homer depicts an African American man in a small boat around which several sharks are swimming. A ship and a water spout can be seen in the background.
A: ***The <u>Gulf Stream</u>***
3) This Durer engraving has its title in the upper left near a rainbow and a comet and the year 1514 in a 4x4 magic square. A sad winged figure sits next to a curled up dog.
A: ***<u>Melancholia 1</u>***

3. FTPE identify the following SI prefixes.
1) Symbolized by the Greek letter mu, this prefix denotes a factor of 10^{-6}.
A: **<u>micro</u>**-
2) Symbolized T, it comes from the Greek for monster and denotes 10^{12}.
A: **<u>tera</u>**-
3) Derived from the Italian for small, this prefix represents 10^{-12}.
A: **<u>pico</u>**-

4. FTPE answer these related questions about a female author.
1) Sharing her birth and death years with James Joyce, this woman known for such works as *Jacob's Room* and *Mrs. Dalloway* was a member of the Bloomsbury Group.
A: **Virginia <u>Woolf</u>**
2) This feminist essay by Virginia Woolf discusses the role of women in literature and states that they must have money and the titular commodity in order to write fiction.

A: *A Room of One's Own*
3) This Woolf novel about the Ramsay family is divided into three sections: *The Window*, *Time Passes*, and the titular location.
A: *To the Lighthouse*

5. FTPE name these World War II battles.
1) This battle marked the turning point in Africa when British Lieutenant-General Bernard Montgomery defeated German Field Marshal Erwin Rommel and drove the Nazis back into Tunisia.
A: **Battle of El Alamein**
2) One of the first battles fought almost entirely by aircraft carriers, this battle was a crucial Japanese defeat and marked the turning point in the Pacific.
A: **Battle of Midway**
3) Georgy Zhukov's deadly counterattack was the turning point in this bloodiest battle of the war, also the turning point on the Russian front.
A: **Battle of Stalingrad**

6. FTPE name the following novels by Charles Dickens.
1) The title entities are contrasted in Charles Darnay and Sydney Carton in this novel.
A: *A Tale of Two Cities*
2) In this novel the convict Magwitch is revealed to be Pip's mysterious benefactor.
A: *Great Expectations*
3) This novel's title character is sent to school by the Murdstones and later moves in with Mr. Micawber. He also lives with Mr. Wickfield, among whose other tenants is Uriah Heep.
A: *David Copperfield*

7. FTPE identify the following Greek heroes of the Trojan War.
1) This son of Peleus and Thetis was killed when Paris shot an arrow into his heel.
A: **Achilles** Accept **Akhilleus**
2) This king of Mycenae commanded the Greeks at Troy and was killed by his wife Clytemnestra.
A: **Agamemnon**
3) Agamemnon's brother and king of Sparta, this man was Helen's husband.
A: **Menelaus**

8. FTPE, identify these devices from what each measures.
1) This measures atmospheric pressure and is often used to gauge altitude.
A: **Barometer**
2) This device measures humidity.
A: **Hygrometer**
3) Named for a competitor of Volta, this device measures small currents.
A: **Galvanometer**

9. FTPE name the following Impressionist and Post-Impressionist artists from works.

1) The Dance Lesson and other paintings of ballerinas.
A: **Edgar Degas**
2) Yellow Christ and Spirit of the Dead Watching
A: **Eugène Henri Paul Gauguin**
3) Mount St. Victoire and The Card Players
A: **Paul Cézanne**

10. FTPE name the following Roman poets who wrote during the reign of Augustus.
1) This man wrote the *Eclogues,* the *Georgics*, and the *Aeneid*.
A: **Virgil** Accept **Publius Vergilius Maro**
2) This man is known for his *Odes* and *Epodes*, as well as the *Ars Poetica*.
A: **Horace** Accept **Quintus Horatius Flaccus**
3) This poet of the *Metamorphoses* also wrote the *Amores* and *Ars Amatoria*.
A: **Ovid** Accept **Publius Ovidius Naso**

11. Name the following reality TV shows FTPE.
1) In this show, 25 women try to avoid getting a rose from the title character.
A: ***The Bachelor***
2) A professional teaches a celebrity and performs with him or her in front of a panel of judges.
A: ***Dancing With The Stars***
3) This show features trainers Jillian Michaels and Bob Harper helping overweight contestants get into shape.
A: ***The Biggest Loser***

12. FTPE identify the following characters from Georges Bizet's final opera.
1) This titular gypsy causes the ruin of her lovers and sings the "Habanera."
A: **Carmen**
2) This soldier is seduced by Carmen and driven to madness when she leaves him.
A: **Don Jose**
3) This bullfighter sings the "Toreador Song" and becomes Carmen's new lover.
A: **Escamillo**

13. FTPE name these mathematical properties.
1) Multiplication and addition in both matrices and scalars have this property. An expression using only one operation that has this property may be written without parentheses unambiguously.
A: **Associative**
2) The sum of a number and the additive kind of this element is always 0. The product of a number and the multiplicative kind of this element is always 1. It exists for square matrices only when the determinant is nonzero.
A: **Inverse**
3) It is the analogue for relations of the commutative property for operations. For a relation with this property, if x is related to y, then y is related to x.
A: **Symmetric** or **Symmetry**

14. FTPE identify the following cell organelles.
1) Referred to as "free" when floating in cytoplasm, these organelles synthesize proteins.
A: **Ribosomes**
2) Named for its Italian discoverer, this organelle processes and packages macromolecules.
A: **Golgi Apparatus** (accept Body/Complex/Dictyosome and other equivalents for apparatus)
3) These organelles rid the cell of namesake toxins and metabolize fatty acids.
A: **Peroxisomes**

15. FTPE name these emperors of the Mughal Empire.
1) This founder of the Mughal Empire was incredibly strong: he was said to have swam across every river he met, including the Ganges.
A: **Babur**
2) This greatest Mughal emperor rose to the throne at age 14 and was a renowned animal trainer, in addition to conquering the Afghans and defeating the insurgent Hindu emperor Hemu.
A: **Jalaluddin Muhammad Akbar the Great**
3) This emperor presided over the a golden age of Mughal architecture and built the Taj Mahal in honor of his favorite wife Mumtaz Mahal.
A: **Shah Jahan**

16. FTPE, name these Antarctic explorers.
1) This Norwegian was the first to reach the South Pole, on Dec. 14, 1911. He also traveled in the Arctic.
A: **Roald Amundsen**
2) At the same time as Amundsen's expedition, this Englishman attempted to reach the Pole, which he did a month after the Norwegian expedition. He died on his return trip.
A: **Robert Falcon Scott**
3. He journeyed to Antarctica several times, notably in the *Endurance*, which was trapped in ice in the fall of 1915. He and his crew had to then travel over a thousand miles over ice and sea in open boats to reach safety.
A: **Ernest Shackleton**

17. FTPE name the following Athenian tyrants.
1) An English adjective is derived from the name of this lawgiver known for his harsh punishments.
A: **Draco**
2) This reformer was succeeded by Peisistratus.
A: **Solon**
3) This grandfather of Alcibiades introduced ostracism.
A: **Cleisthenes**

18. FTPE, name these mountain ranges of the Indian subcontinent.

1) This range to the south of Tibet includes such peaks as Lhotse and Mount Everest.
A: **Himalayas**
2) Kabul and the Khyber Pass lie in this mountain range northwest of the Indus River Valley.
A: **Hindu Kush**
3) The second-highest peak in the world, K2, lies in this range north of Kashmir, often considered a sub-range of the Himalaya.
A: **Karakoram** Range

19. Identify these Greek Letters used in the sciences on a 10-5 basis.
1) For 10: Paired with a small phi [fee], this letter indicates an angle in the spherical coordinate system.
For 5: The spherical usage follows from its usage to mark the angle in cylindrical and polar coordinates.
A: **Theta**
2) For 10: The lowercase is used interchangeably with mu for density functions and the limit of the capital may be represented as the integral.
For 5: The integral from its limit follows from the capital's usage as a summation device as in series; the lowercase commonly denotes standard deviation in statistics.
A: **Sigma**
3) For 10: When upside down and capital, it represents the gradient vector of a function, while the lowercase is often used with a small epsilon for a definition of the limit.
For 5: The capital of this letter represents "the change in" as when it is used in slope.
A: **Delta**

20. FTPE name these parts of the circulatory system
1) This chamber of the heart receives blood from the superior vena cava before it transfers to the same-sided ventricle.
A: **Right Atrium**
2) This artery receives blood from the left ventricle and is responsible for sending blood throughout the rest of the body.
A: **Aorta**
3) This is the only vein in the human body that carries oxygenated blood back to the heart.
A: **Pulmonary** Vein