



1. A conflict among these people started when four girls fought over who was the true wife of William Brind. In less than a week, James Busby and William Hobson wrote a treaty signed by these people agreeing to British sovereignty. These people were decimated when an influx of firearms sparked the Musket Wars. In another conflict among these people, Pikauterangi (PEEK-ow-teh-RON-gee) was defeated at the battle of Hingakaka (HING-guh-KAH-kah). Name these signers of the Treaty of Waitangi (why-TONG-ghee), the indigenous population of New Zealand.

ANSWER: Maori

239--105-04101

2. Murray Gell-Mann originally theorized the existence of this many quarks. The active ingredient of Eskalith contains the carbonate of the element with this atomic number, which is used to treat manic disorders. Phosphorus pentachloride has this many equatorial atoms. It is the bond order of the carbon-carbon bond acetylene, since it is the number of carbon-carbon bonds in alkynes (al-KINEZ). The law of thermodynamics with this number says it is impossible to cool a system to absolute zero. Give the number of hydrogen atoms in ammonia.

ANSWER: three

239--105-04102

3. The head of this company attempted to create the South Improvement Company to control its shipments. Three ships belonging to this company were destroyed in the Panay incident. A political cartoon shows a baby Teddy Roosevelt wrestling with a snake representing this entity. A series of articles about this company published in *McClure's* magazine were written by Ida Tarbell. This company was found to be in violation of the Sherman Antitrust Act, leading to its split into companies including Conoco and Chevron. Name this company headed by John D. Rockefeller.

ANSWER: Standard Oil Company

048--105-04103

4. The square of this quantity is equal to the derivative of pressure with respect to volume. This quantity equals the square root of the bulk modulus over density. In air, it increases roughly 0.6 units for each degree Celsius increase in temperature. If a fluid is irreversibly flowing at a velocity less than this number, then the fluid will speed up. Exceeding it produces a shock wave. The ratio of velocity to this quantity is the Mach number. Name this quantity equal to about 343 meters per second in air, the speed at which acoustic waves can travel.

ANSWER: speed of sound [or velocity of sound waves; prompt on c]

190--105-04104

5. A character in this opera insists, "L'amour, l'amour t'attend" in an aria beginning "Votre toast." Act III of this opera takes place at a smuggler's camp in the mountains. In Act I of this opera, a worker in a cigarette factory throws a flower to her eventual lover, but explains that love is a "rebellious bird" in her Habanera (hah-bahn-AIR-uh) aria. This opera's most famous aria is sung by Escamillo (ess-cah-MEE-yoh), a toreador who wins the love of a Spanish gypsy. Name this opera composed by Georges Bizet.

ANSWER: Carmen

190--105-04105

6. A documentary about people working in this medium follows Thierry Guetta through his transformation into Mr. Brainwash. This artistic medium depicted in *Exit Through the Gift Shop* is practiced by Banksy. During World War II, this medium was used with the phrase "Kilroy was here." Name this artistic medium that can be signed with a tag, and which is frequently at odds with law enforcement because it can involve vandalizing public property with spray cans.

ANSWER: **graffiti** [or **urban** art; or **street** art; accept **tagging** before it is read]

023--105-04106

7. Every entire function can be written as a power series with this property on the complex plane. A complete metric space is one where Cauchy sequences have this property. The Weierstrass M-test can show whether something has the uniform type of this property. Geometric series will always have this property if the common ratio has absolute value between zero and one, and the harmonic series does not possess it. Name this opposite of divergence.

ANSWER: **convergence** [or **has a limit**]

121--105-04107

8. This statesman was descended from the Alcmaeonidae. The expulsion of Cimon and Ephialtes's murder let him to consolidate power in 461 BCE. This leader's efforts saw the Delian League turn into an empire that rivaled Sparta and led to the Peloponnesian Wars. Three years before defeating Thucydides in 444 BCE, he started the building of the Acropolis and Parthenon. Name this Athenian statesman and leader of that city's Golden Age.

ANSWER: **Pericles**

147--105-04108

9. In one of this author's novels, a longshoreman teams up with Martin Decoud to smuggle silver from Charles Gould's mines. The main character of another novel by this man is stranded in the Central Station waiting for his steamship to be repaired. The narrator of that novel by him comes across a pamphlet reading "Exterminate all the brutes" and lies to a widow about the words "The horror! The horror!" Name this author of *Nostromo* and a book about Marlow's journey to Africa to find Kurtz, *Heart of Darkness*.

ANSWER: Joseph **Conrad** [or Jozef Teodor **Konrad** Korzeniowski]

020--105-04109

10. In the Cori cycle, this compound is formed in the liver. GLUT1 transports it into cells. This pyranose (PIE-rah-nose) is phosphorylated by hexokinase in the first step of the EMP pathway. Maltose consists of two monomers of it. This compound, which has only equatorial hydroxyl groups in its cyclic form, is modified to make the monomer of chitin (KITE-in). Glycogen acts as storage for this compound. Insulin responds to high blood levels of it. This compound is metabolized into two pyruvates, producing 2 ATP and 2 NADH, during glycolysis. Name this six-carbon sugar.

ANSWER: **glucose** [or **dextrose**; or **C 6-H 12-O 6**]

190--105-04110

11. A text named for this concept attempts to link the converse of the word "bad" with "good." This concept's inquirers sometimes approach it with a distinction between consequentialism and a deontological version, the latter of which is supported by Kant's sense of duty. This discipline is referenced in the title of a work that introduces the naturalistic fallacy written by G.E. Moore. Name this concept that titles Baruch Spinoza's magnum opus and is the study of virtuous behavior.

ANSWER: **ethics** [or **ethica**]

033--105-04111

12. The main character of this work buries a stranger who wore green and yellow, and that stranger's grave produces corn. A woodpecker tells the title character how to defeat the magician Pearl-Feather, and the woodpecker is rewarded by being dipped in the magician's blood. This poem describes the wigwam of the Nokomis "by the shores of Gitche Gumee." Name this poem about the titular husband of Minnehaha, a work of William Wadsworth Longfellow.

ANSWER: *The Song of Hiawatha*

030--105-04112

13. These objects are roughly 1.5 times as common as their counterparts among substances in the hypothetical "island of stability". These particles, which consist of two down quarks and an up quark, release an antineutrino when they decay, which happens with a half-life of about 10 minutes. Discovered by James Chadwick in 1932, they contribute to the mass number, but not the atomic number, of an element. Name this elementary particle with no electric charge, found in the nucleus along with the proton.

ANSWER: **neutron**

132--105-04113

14. A character in this story is worried after he loses the Sunday saddle of Hans Van Ripper while riding the horse Gunpowder. This story features a competition for the hand of Katrina Van Tassel that includes Abraham Van Brunt, who goes by the nickname Brom Bones. The main character of this story is a Connecticut schoolmaster who is scared by the story of a Hessian ghost. Name this story about Ichabod Crane and the Headless Horseman written by Washington Irving.

ANSWER: "The **Legend of Sleepy Hollow**"

023--105-04114

15. In one story by this author, the title character is tricked into thinking his garments are invisible until a boy notes that he is wearing nothing. In another story by this author of "The Emperor's New Clothes," a girl sees a vision of her grandmother as she ascends into heaven. This author wrote a story in which a prince is saved from a shipwreck by a creature that tries to obtain a human soul. Name this author of fairy tales, such as "The Little Match Girl" and "The Little Mermaid."

ANSWER: Hans Christian **Andersen**

140--105-04115

16. The tat protein in HIV patients greatly increases the rate of this process, which is also enhanced in the presence of acetyl transferases. Although not methylation, this process is initiated from CpG islands in some eukaryotes. This process does not occur from Barr bodies because they have been highly methylated. The product of this process is capped with methyl-guanosine and gets a poly-A tail. Retroviruses can do this process in reverse. This process is initiated at a promoter and is mostly catalyzed by RNA polymerase. Name this process of making messenger RNAs from DNA.

ANSWER: **transcription** [do not accept "translation"]

190--105-04116

17. This five-word question titles a children's book illustrated by Svein Nyhus. According to ethologists, correct answers to this question include a rattling noise known as "gekking," a "trisyllabic greeting warble," and a "ululating siren-like shriek." Less scientific answers posited for this question include "Ring-ding-ding-ding-dingeringedding," "Wa-pa-pa-pa-pa-pow," and "Joff-tchoff-tchoff-tchoffo-tchoffo-tchoffo-tchoff." What is this question about animal vocalization which introduces the chorus of a 2013 YouTube hit from satirical electronic band Ylvis (ILL-viss)?

ANSWER: "**What does the fox say?**"

019--105-04117

18. De-nitri-fication is an example of one of these reactions, which transforms nitrate into nitrogen gas. In biology, the transformation of NAD<sup>+</sup> into NADH is one of these reactions. During electroplating, metal cations (CAT-eye-onz) undergo this type of reaction. The species which undergoes this reaction will have a greater standard electrode potential in a galvanic cell, will be located at the cathode, and will have an algebraic decrease in its oxidation state. Name these reactions in which a species gains electrons, often contrasted with oxidations.

ANSWER: **reductions** [prompt on **redox** reactions; prompt on **oxidation-reductions**; prompt on **reduction-oxidations**; do not accept or prompt on "oxidations"]

190--105-04118

19. At a trial in this novel, its antagonist is called a "goblin-monk." It begins at the Festival of Fools, where Pierre Gringoire is trying to promote his play. Phoebus leads the King's Archers in this novel, in which Claude Frollo is killed by the title character after he expresses joy at Esmeralda's death. Name this novel by Victor Hugo about a deformed man who serves as bell-ringer in a Parisian cathedral.

ANSWER: The **Hunchback of Notre-Dame** [or **Notre-Dame de Paris**]

192--105-04119

20. This man wrote "I do not hope to turn again" in a poem about his conversion to Anglicanism, "Ash-Wednesday." The speaker of a poem by this man compares the evening to a "patient etherized upon a table," and that poem contains the refrain, "In the room the women come and go, talking of Michelangelo." He wrote a seminal 1922 poem beginning, "April is the cruelest month." Name this poet of "The Love Song of J. Alfred Prufrock" and "The Waste Land."

ANSWER: T. S. **Eliot**

121--105-04120



1. Net electric flux equals this quantity divided by the permittivity according to Gauss's law. The elementary value for this quantity was determined by balancing the gravitational and electric forces on an oil drop in an experiment conducted by Millikan. Current is the rate of change of this quantity with respect to time. The force on a particle is equal to this quantity times the electric field. Identify this quantity measured in Coulombs, which is negative for an electron.

ANSWER: electric **charge**

226--105-04121

2. This character was the sister of Euryale (yur-ee-AH-lay) and Stheno (suh-THEE-noh), who were likewise daughters of Phorcys (FORK-iss) and Ceto (SEE-toh). She was punished by Athena after an encounter in a temple with Poseidon, and she was later targeted on a man who used winged sandals and a helm of invisibility on a mission from Polydectes (PAH-lee-DEK-teez). Pegasus came out of her neck after Perseus beheaded her. Name this snake-haired Gorgon whose gaze turned men to stone.

ANSWER: **Medusa**

019--105-04122

3. This man painted a woman inside and in the alleyway next to a brick building in *The Little Street*. This artist included a foot-warmer on the floor of a painting in which a blue and yellow clad woman pours a liquid into a container, one of only thirty-four paintings he produced. This artist painted his birthplace from across a river with fishing boats in his *View of Delft*. Name this Dutch artist who painted *Girl with a Pearl Earring* and many scenes of women working indoors.

ANSWER: Johannes **Vermeer** [or Jan **Vermeer**; or Johan **Vermeer**]

088--105-04123

4. The Chinese creator gods Fuxi (FOO-shee) and Nuwa are sometimes depicted with the body parts of these creatures. Cadmus and Harmonia took the form of these creatures at the end of their lives. Tiresias was turned into a woman upon attacking two of them mating. The caduceus depicts two of these animals, as does the rod of Asclepius. One of these animals resided at Delphi and was slain by Apollo. Name this animal, mythological ones of which include Python.

ANSWER: **snakes** [or **serpents**; or **dragons**]

140--105-04124

5. A large population of albino people lives on this lake's largest island, Ukerewe (OO-kay-RAY-way) Island. The Winam Gulf of this lake is the site of Homa Bay and the port city of Kisumu (kiss-OO-moo). James Ogwang brought South American weevils to combat this lake's problem with the invasive water hyacinth. This lake receives the Kagera (kah-GAIR-uh) River to its west, and is the source of the White Nile. Name this East African lake that is the second largest freshwater lake in the world and the largest overall in Africa.

ANSWER: Lake **Victoria**

023--105-04125

6. This philosophy was espoused by Spanish writer Miguel de Unamuno in *The Tragic Sense of Life*. This philosophy was used to argue that women are treated as "the Other" in the feminist text *The Second Sex*. This discipline "is a humanism" according to a lecture delivered by the author of *Being and Nothingness*, leftist intellectual Jean-Paul Sartre. Name this philosophy that broadly concerns the way humans make their own meaning for their lives.

ANSWER: **existentialism**

080--105-04126

7. A city in this state was the first to implement the kindergarten through twelfth grade education system. At a convention in this state, Sojourner Truth delivered the "Ain't I a Woman" speech. It's not Kentucky, but a poet from this state wrote in his poem "Sympathy" that "I know why the caged bird sings." In this home state of Paul Lawrence Dunbar, I.M. Pei built the Rock and Roll Hall of Fame. The Pro Football Hall of Fame is located in this state's city of Canton. This state's largest cities include Cincinnati and Cleveland. Name this "Buckeye state."

ANSWER: **Ohio**

186--105-04127

8. On a trip to Spain, this artist painted a teenage musician working in the band of the Imperial Guard in his *The Fifer*. In one painting, this man depicted a bowl of oranges next to a blonde serving alcohol. This painter used Victorine Meurent as the model for a nude woman eating next to two clothed men in his *Luncheon on the Grass*. This man invited controversy for his painting of a lounging prostitute staring defiantly at the viewer. Name this Impressionist painter of *Olympia*.

ANSWER: Edouard **Manet** [do not accept "Monet"]

186--105-04128

9. At the start of his political career, this future President joined the KKK and worked in the political machine of boss Thomas Pendergast. This president called the "Turnip Day Session" of Congress and used an executive order to desegregate the Army. He went on the "Whistle Stop Tour of America" to win the last Presidential election in which four candidates each exceeded two percent of the vote. The *Chicago Tribune* claimed that this "Fair Deal" proponent lost to Dewey in the election of 1948. Name this successor to FDR, who chose to bomb Nagasaki and Hiroshima.

ANSWER: Harry S. **Truman**

149--105-04129

10. In this novel, the state auditor Byram White is blackmailed. One character in this novel raises concerns that bricks used by the J.H. Moore company are defective and becomes a hero after his warnings come to fruition in a an accident that kills three schoolchildren. That character in this novel is advised by Sadie Burke, and Jack Burden narrates this novel. Name this novel by Robert Penn Warren about Louisiana politician Willie Stark, a character based on Huey Long.

ANSWER: **All the King's Men**

030--105-04130

1. Answer the following about man-made structures.

[5] Islands in the shape of a palm tree were constructed in what city, which is home to the Burj Khalifa?

ANSWER: **Dubai**, United Arab Emirates

[10] The longest bridge in the United States crosses what lake in Louisiana?

ANSWER: Lake **Pontchartrain**

[15] This structure's creation threatened the endangered Siberian Crane and the Baiji river dolphin, and it resulted in sediment build-up near towns in the Hubei province.

ANSWER: **Three Gorges** Dam

[20] The Ottoman Stari Most crosses the Neretva River in what Bosnian city?

ANSWER: **Mostar**

052--105-04101

2. Name these jazz instruments.

[5] Charlie Christian and Django Reinhardt played what instrument, whose acoustic variety was the most popular with jazz musicians until the 1940s?

ANSWER: jazz **guitar**

[10] Charles Mingus was an accomplished player of what lowest-pitched instrument in the violin family?

ANSWER: double **bass** [or upright **bass**; or **bass** fiddle; or string **bass**; or **bass** violin; or doghouse **bass**; or **contrabass**; or **bass** viol; or stand-up **bass**; or **bull fiddle**; or really anything with the word **bass** in it]

[15] Bill Evans played this instrument for the Miles Davis sextet, and "Straight, No Chaser" is a song for this instrument.

ANSWER: **piano**

[20] Lionel Hampton and Red Novo pioneered the use of what unusual percussion instrument?

ANSWER: the **vibraphone** [or the **vibes**]

121--105-04102

3. Name these literary objects.

[5] Tom Sawyer arranges the whitewashing of one of these.

ANSWER: **fences**

[10] Huck Finn travels down the Mississippi on one of these.

ANSWER: **rafts**

[15] Several of these objects are thrown at Gregor Samsa by his father in Franz Kafka's *The Metamorphosis*.

ANSWER: **apples** [prompt on **fruit**]

[20] In *The Iliad*, this object is decorated with scenes of a city at peace and a city at war.

ANSWER: the **shield** of Achilles

030--105-04103

4. Answer the following about advertising controversies.

[5] What breakfast cereal featured an interracial family in a series of 2013 and 2014 commercials, much to the dismay of racists?

ANSWER: **Cheerios**

[10] What company aroused controversy with a 2014 Super Bowl ad featuring the song "America the Beautiful" sung in different languages?

ANSWER: **Coca-Cola** [or **Coke**]

[15] This economist co-authored the paper "What Makes Advertising Profitable?" with William Adams and addressed the efficiency wage hypothesis in several papers written with her husband, George Akerlof.

ANSWER: Janet **Yellen**

[20] What fashion designer and namesake of a song on Jay-Z's *Magna Carta Holy Grail* has caused controversy by using oversexualized ads?

ANSWER: Tom **Ford**

052--105-04104



**Letter O**  
**Letter L**  
**The Letter K**

Letter O

[10] What French composer is best known for his operas *Orpheus in the Underworld* and *The Tales of Hoffmann*?

ANSWER: Jacques **Offenbach**

[10] (MULTIPLE WORD ANSWER) The travels of Sal Paradise and Dean Moriarty are found in what novel?

ANSWER: **On the Road**

[10] In harmonics, what term denotes frequencies that are higher than the fundamental frequency?

ANSWER: **overtones**

[10] (TWO-WORD ANSWER) Timothy McVeigh and Terry Nichols carried out a bombing in what city in 1995?

ANSWER: **Oklahoma City**

[10] What lover of Catherine the Great led the coup that put her into power as Empress of Russia?

ANSWER: Grigory **Orlov**

[10] To what Queen of Lydia did Heracles sell himself into slavery for a few years after he murdered Iphicles?

ANSWER: **Omphale**

[10] (TWO-WORD ANSWER) What concept in psychology is exemplified by a child attempting to find a toy that they were shown and later hidden away?

ANSWER: **Object permanence**

[10] What is the name of the protagonist of *Things Fall Apart*?

ANSWER: **Okonkwo**

[10] What is the name of the individual units of compound eyes in insects?

ANSWER: **ommatidium** [or **ommatidia**]

[10] Legislation that was upheld in *National Federation of Independent Business v. Sebelius* has been given what nickname?

ANSWER: **Obamacare**

140--105-0410-3

Letter L

[10] What eighth plague of the Book of Exodus resulted in a shadow over Egypt?

ANSWER: **locusts**

[10] What Hungarian composed *Transcendental Etudes* and *Hungarian Rhapsodies*?

ANSWER: Franz **Liszt**

[10] What is the name of the current Turkish currency that was the name of the Italian currency that was replaced by the Euro?

ANSWER: **lira**

[10] What stimulated emission technology was pioneered by Charles Townes and was used by Steven Chu to cool and trap atoms?

ANSWER: **laser**

[10] The alveolar sacs can be found in what organs of the human body?

ANSWER: **lungs**

[10] (TWO WORD ANSWER) Gertrude Stein coined what term used to describe post-World War I American writers such as Ernest Hemingway and F. Scott Fitzgerald?

ANSWER: **Lost Generation**

[10] What author of "The Rocking Horse Winner" wrote about the titular gamekeeper Oliver Mellors in his *Lady Chatterly's Lover*?

ANSWER: David Herbert "D.H." **Lawrence**

[10] What type of flow in physics refers to fluid that travels in smooth paths and is the opposite of turbulent flow?

ANSWER: **laminar** flow

[10] What figure from Arthurian legend ruled the island of Avalon?

ANSWER: **Lady of the Lake**

[10] What aid program to American allies in World War II replaced the cash and carry program?

ANSWER: **lend lease**

030--105-0410-3

The Letter K

[10] The United States was prevented from reaching the Yalu River by the Chinese intervention in what war?

ANSWER: **Korean** War

[10] (TWO WORD ANSWER) Samuel Taylor Coleridge wrote what poem describing "a stately pleasure dome" in Xanadu?

ANSWER: **Kubla Khan**

[10] Epistemology is the philosophical study of what concept, which can be alternately defined as justified true belief?

ANSWER: **knowledge**

[10] A strawberry-red colored tongue is characteristic of what disease which can cause serious heart conditions in young children, discovered in Japan?

ANSWER: **Kawasaki** disease

[10] What northwestern Indian region was the site of three wars between India and Pakistan in 1947, 1965, and 1999?

ANSWER: **Kashmir**

[10] Which Armenian composed the ballet Gayane, which contains the movement "Sabre Dance?"

ANSWER: Aram **Khachaturian**

[10] The young prodigy Otaké in The Master of Go and the geisha Komako in Snow Country are creations of what Japanese author?

ANSWER: Yasunari **Kawabata**

[10] Vladimir the Great and Yaroslav the Wise ruled over the Slavic kingdom centered in what city?

ANSWER: **Kiev**

[10] What shield volcano on the eastern part of Hawai'i is constantly spewing lava, and is the home of Pele in Hawaiian mythology?

ANSWER: **Kil'auea**

[10] (THREE WORD ANSWER) "So What" is the first track on what 1959 album by Miles Davis?

ANSWER: **Kind of Blue**

239--105-0410-3





1. This ruler lost the duchy of Normandy after losing the Battle of Bouvines to Philip Augustus. Robert fitz Walter led one military action against this ruler. Innocent III excommunicated this ruler for opposing Stephen Langton's appointment as Archbishop of Canterbury. This brother of Richard the Lionhearted was forced to sign one document by rebelling barons at Runnymede. For 20 points, name this King of England.  
ANSWER: King **John** [or **John** Lackland]

186--105-04101

2. Nine of these pieces appear in the *Goldberg Variations*, each with an increasing interval size. More complex types of this technique include mensuration, retrograde, and inversion. "Frere Jacques" and "Row, Row, Row Your Boat" are the most famous pieces to use this technique, in which an imitation of a melody is played some time after it is first introduced. For 20 points, name this technique used in the most famous piece by Pachelbel.  
ANSWER: **canon**

063--105-04102

3. This man served as music director of the St. Thomas Choir in Leipzig for twenty-seven years until his death. The piece "Jesu, Joy of Man's Desiring" was excerpted from one of the over 200 cantatas that he composed. He wrote a book of preludes and fugues in all 24 major and minor keys, and composed a set of six Baroque concertos as a job application for a German margrave. For 20 points, name this German composer of *The Well-Tempered Clavier*.  
ANSWER: **J. S. Bach** [or **Johann Sebastian Bach**; prompt on **Bach**; prompt on **J. Bach**; prompt on **Johann Bach**]

130--105-04103

4. This man wrote a series of interconnected stories called *The Illustrated Man*, and in one of his works, the Hadley children murder their parents with lions in a three dimensional television nursery. This author of "The Veldt" wrote a story about how Eckles' killing a butterfly altered history as well as a novel in which a fireman attempts to escape the mechanical hound. For 20 points, name this author of "A Sound of Thunder" who created Guy Montag.  
ANSWER: Ray **Bradbury**

030--105-04104

5. The double dabble algorithm converts values from this system into another system. In this system, signed numbers can be represented using two's complement notation. Every grouping of four digits in this system corresponds to one digit in hexadecimal, which uses symbols from 0 to F. This system can represent two to the n distinct numbers, where n is the number of bits used. For 20 points, name this number system used by computers.  
ANSWER: **binary** number system [or **base-two** number system]

132--105-04105

6. Circular, volcanic domes on this object are referred as "pancake" volcanoes. This planet was studied by the Venera probes and lacks natural satellites. The atmosphere of this planet contains many clouds of sulfuric acid. Although of similar size and mass to Earth, this planet is unable to sustain life due to a runaway greenhouse effect vaporizing any water present. For 20 points, name this very hot planet with a heavy atmosphere of carbon dioxide.

ANSWER: **Venus**

239--105-04106

7. One ruler of this city built a giant sundial which pointed to the Altar of Peace on his birthday. Twelve bodyguard-like officers in this city carried an axehead tied to a bundle of sticks, from whose name we derive the word "fascism." Its highest executives were two men elected to a simultaneous year-long term, and its tribunes represented the lower-class plebeians against its upper-class patricians. For 20 points, name this city.

ANSWER: **Rome** [or **Roma**]

104--105-04107

8. One poem of this name was published under the pen name of Glirastes by Horace Smith a month after the more well known poem of this name was published. Both poems of this name were inspired by accounts of the Roman historian Diodorus Siculus. The more well known poem of this name states, "Nothing beside remains" and describes, "Half sunk, a shattered visage." For 20 points, name this poem that begins with the line, "I met a traveller from an antique land."

ANSWER: "**Ozymandias**"

030--105-04108

9. One poem by this man describes, "All nations striving strong to make / Red war yet redder." Another poem by this man is subtitled "Lines on the loss of the 'Titanic.'" In addition to "Channel Firing" and "Convergence of the Twain," this man wrote a novel in which Michael Henchard drunkenly sells his wife and child to a sailor. In another of his novels, a stonecutter falls in love with Sue Bridehead. For 20 points, name this British author.

ANSWER: Thomas **Hardy**

030--105-04109

10. A smaller-scale version of this event occurred in 541-542 AD during Justinian's reign. The peak of this event coincided with the peak of the flagellant movement. Popular explanations for this event included the miasma theory and the poisoning of wells by Jews. This event began after a siege of Caffa in Crimea and its victims' bodies were often piled onto death carts. For 20 points, name this event.

ANSWER: **Black Death** [or **bubonic plague**]

020--105-04110

11. This musician played "Crepuscule with Nellie" and "Pannonica" for his album *Criss-Cross*. This musician rose to prominence as the in-house pianist at Minton's Playhouse in the 1940s. He created standards like "Epistrophy" and "Well, You Needn't" and released the album *Brilliant Corners*. Cootie Williams helped this musician compose his breakout hit, "Round Midnight." For 20 points, name this jazz pianist noted for his unusual first name.

ANSWER: Thelonious **Monk**

080--105-04111

12. A character in this novel creates forty-nine dumplings in the shape of human heads and throws them into a river. Another character in this novel blockades a group from crossing a bridge with his thunderous voice. A character in this novel summons the southeastern wind before the Battle of Red Cliffs. This novel begins with the Oath of the Peach Garden, where Zhang (JUNG) Fei, Guan Yu, and Liu Bei become brothers. Name this Chinese novel by Luo Guanzhong (gwan-JUNG) that recounts a war.

ANSWER: **Romance of the Three Kingdoms** [or **Sanguo Yanyi**]

227--105-04112

13. While living at Salem House, the main character of this work fantasizes about being like the literary character Roderick Random and is punished by Mr. Creakle for wearing a sign that reads "Take care of him. He bites." One character in this work was a clerk in Mr. Wickfield's law office, steals Miss Trotwood's fortune, and is named Uriah Heep. The main character's first marriage is to Dora Spenlow, and he ultimately marries Agnes Wickfield. For 20 points, name this semi-autobiographical novel.

ANSWER: **David Copperfield**

030--105-04113

14. The title character of one of this author's poems scorns Harold Wilson for studying Latin "like the violin" and says he has "come to ditch the meadows." That poem concludes with Warren telling Mary that Silas has died. This author of "The Death of the Hired Man" described a time "in a yellow wood" where he chose the path "less traveled by, and that has made all the difference." For 20 points, name this poet.

ANSWER: Robert **Frost**

121--105-04114

15. The Melian Dialogue takes place between representatives of Melos and this city hoping to conquer Melos. It was connected by the long walls to the port of Piraeus. Tribute given to this city allowed it to build up a powerful navy. It was the most powerful member of the Delian League, which lost to a league of city-states allied with its rival in the Peloponnesian War. For 20 points, name this Greek city.

ANSWER: **Athens**

121--105-04115

16. BH3-only proteins such as Bim and Bid promote this process once they are activated by Fas ligand binding its receptor. Trophic factors prevent this process from occurring. Mutant CED protein in *C. elegans* causes defects in this pathway. In eukaryotes, it is caused when Bcl-2 no longer prevents the release of cytochrome C from the mitochondria. This process results in a cascade of caspases. Damage to p53 causes this process to occur in healthy cells, though defects in it are indicative of cancer. For 20 points, name this process of programmed cell death.

ANSWER: **apoptosis** [prompt on cell **death** until it is read]

190--105-04116

17. This man championed the "Planning, Programming, and Budgeting System" which brought computer-based systems analysis to the federal government for the first time. He was one of the "Whiz Kids" for Ford before becoming that company's president, and he was later the president of the World Bank from 1968 to 1981. While serving under Lyndon Johnson and John Kennedy, he made decisions that he later expressed regret for in the documentary *The Fog of War*. For 20 points, name this Secretary of Defense during the escalation of the Vietnam War.

ANSWER: Robert Strange **McNamara**

088--105-04117

18. The first stages of this conflict ended with the Battle of Lade (LA-day), which quelled the Ionian Revolt. This war ended when Pausanias won at Plataea. This conflict was chronicled by Herodotus, whose *Histories* are sometimes named for it. Another battle in this war saw three hundred Spartans hold off an army for three days. Name this early fifth century BCE conflict, in which the armies of Darius and Xerxes (ZERK-zeez) attempted to conquer cities such as Athens.

ANSWER: Greco-**Persian Wars** [or equivalent answers such as **Persian invasions of Greece**; or the **Ionian Revolt** before it is read]

019--105-04118

19. A theory that attempts to explain this phenomenon argues the substantial gelatinosa in the dorsal horn of the spinal cord contains a "gate" that controls it. Although it is not fever, drugs that suppress this phenomenon include ketobemidone (KEY-toh-bem-EH-doan) and paracetamol (PAIR-uh-CEET-uh-mall). It is caused by contact between the medial epicondyle (EH-puh-CON-dial) of the humerus and the ulnar nerve. This sense is removed by the chemicals lidocaine and novocaine, which are both anesthetics. For 20 points, identify this feeling.

ANSWER: **pain** [or **nociception**; prompt on **touch**; prompt on **suffering**]

239--105-04119

20. In this story, one character sews undergarments and another learns French and stenography following the main character's injury. That injury occurs to the protagonist of this story after his father lodges a fruit into his back. Grete takes care of her brother in this story after he fails to show up for his job as a salesman one morning. For 20 points, name this story about Gregor Samsa.

ANSWER: "The **Metamorphosis**" [or "Die **Verwandlung**"]

023--105-04120



1. This ruler lost the duchy of Normandy after losing the Battle of Bouvines to Philip Augustus. Robert fitz Walter led one military action against this ruler. Innocent III excommunicated this ruler for opposing Stephen Langton's appointment as Archbishop of Canterbury. This brother of Richard the Lionhearted was forced to sign one document by rebelling barons at Runnymede. For 20 points, name this King of England.  
ANSWER: King **John** [or **John** Lackland]

186--105-04131

2. Nine of these pieces appear in the *Goldberg Variations*, each with an increasing interval size. More complex types of this technique include mensuration, retrograde, and inversion. "Frere Jacques" and "Row, Row, Row Your Boat" are the most famous pieces to use this technique, in which an imitation of a melody is played some time after it is first introduced. For 20 points, name this technique used in the most famous piece by Pachelbel.  
ANSWER: **canon**

063--105-04132

3. This man served as music director of the St. Thomas Choir in Leipzig for twenty-seven years until his death. The piece "Jesu, Joy of Man's Desiring" was excerpted from one of the over 200 cantatas that he composed. He wrote a book of preludes and fugues in all 24 major and minor keys, and composed a set of six Baroque concertos as a job application for a German margrave. For 20 points, name this German composer of *The Well-Tempered Clavier*.  
ANSWER: **J. S. Bach** [or **Johann Sebastian Bach**; prompt on **Bach**; prompt on **J. Bach**; prompt on **Johann Bach**]

130--105-04133