

1. At one meeting this man was interrogated by Cardinal Cajetan. This man notably debated with Johann Eck. This man wrote about "murderous and thieving hordes" in condemning the Peasants' War. This man was an opponent of a policy exemplified by the actions of Johann Tetzel. Frederick III of Saxony had to hide this man in Wartburg Castle after he was condemned at the Diet of Worms. Earlier, this man responded to the sale of indulgences by posting the *Ninety-Five Theses*. For 10 points, name this leader of the Protestant Reformation.

ANSWER: Martin **Luther**

028-09-1-04101

2. If these structures are joined in one whorl, they are called connate. If they are fused from more than one whorl, they are called adnate. The attachment of this structure's components can be either basifixed or versatile depending on whether the dehiscence is poricidal or longitudinal. They are comprised of the filament, the anther, and microsporangia, or pollen sacs. Most flowers have six of them located inside the perianth. For 10 points, name this male flower organ, complemented by the female carpel or pistil.

ANSWER: **stamens**

040-09-1-04102

3. The names and reign years of some of these rulers can be found on the Turin King List, and the authoritative historian on them is Manetho. One of these rulers moved the capital to Amarna; a later one fought with the Hittites at the Battle of Kadesh. These individuals wore a double crown of red and white, signifying the Upper and Lower regions of the land they ruled. An unnamed one tangled with Moses in Exodus, and many of the Old Kingdom were buried in pyramids. For 10 points, name these ancient rulers of Egypt.

ANSWER: **pharaohs**

003-09-1-04103

4. One son of Tros was transported to this location by a god disguised as an eagle, where that son, Ganymede (GAH-nuh-meed), became a cupbearer. Zeus sent a gadfly to interrupt one figure's attempt to come to this place after that figure killed the Chimera. That figure, Bellerophon (bell-AIR-uh-fawn), used Pegasus in his attempt to reach this site, and both he and Hephaestus were lamed by falls from this location. This site had a throne for each of its twelve inhabitants. For 10 points, name this location in Greek mythology, from which the gods watched over man.

ANSWER: Mount **Olympus** [or **Ólympos**]

023-09-1-04104

5. This man was a leader of the Brotherhood of Locomotive Firemen. This man joined with Morris Hillquit and Victor Berger to expel Bill Haywood from his organization. Clarence Darrow quit his job as a corporate lawyer to represent this man. This man led the American Railway Union during the Pullman Strike. Jailed for violating the Espionage Act in 1918, this man had earlier helped found the IWW. For 10 points, name this politician who ran in five presidential elections, including one on the Socialist Party ticket in 1920 while in prison.

ANSWER: Eugene Victor **Debs**

028-09-1-04105

6. As part of this man's disagreement with Siger of Brabant, this thinker wrote "On the Unicity of Intellect", a tract criticizing Averroes (AV-err-OH-ess). Despite not being Jewish, he wrote a critique of Christian heresies titled *Contra Gentiles* (jen-TEEL-ace), or *Against the Gentiles* (this time, pronounced as in English). The Second Vatican Council called this man the "Perpetual Philosopher." This student of Albertus Magnus divided his major work into sections on Ethics, Christ, and Theology. For 10 points, name this Scholastic medieval theologian, the author of *Summa Theologica*.

ANSWER: Thomas **Aquinas**

021-09-1-04106

7. This poet wrote about a lady whose "soul aspire above the vulgar flight of low desire" in "Elegy to the Memory of an Unfortunate Lady." In another work by this author, death of Elkanah Settle allows Dulness to crown Tibbald. This author wrote a satire in which the gnome Umbriel has to visit the Cave of Spleen and collect items after the sylphs are thrown into disarray by the title action, in which the Baron cuts off a lock of Belinda's hair. *The Dunciad* and *An Essay on Man* was written by, for 10 points, what author of *The Rape of the Lock*?

ANSWER: Alexander **Pope**

034-09-1-04107

8. A version of these phenomena between two parallel uncharged conducting plates is called the Casimir effect. A namesake broadening of spectral lines occurs when they act on an energy-emitting particle. The relation between strength and distance of these is modeled by the Lennard-Jones potential. They include Keesom and Debye forces, as well as induced dipole-dipole forces called London dispersion forces, and forces that result from interactions between permanent dipoles. For 10 points, name these intermolecular forces named for a Dutch scientist.

ANSWER: **van der Waals** forces [prompt on **London dispersion** forces until mention]

032-09-1-04108

9. Mr. Mafolo helps the protagonist of this novel when a young man walks away with the money he paid to buy a ticket. The novel begins when the protagonist receives a letter from Msimangu asking him to help his sick sister Gertrude, whom he finds working as a prostitute. The protagonist's son impregnates and marries "The Girl" before being sentenced to death for killing Arthur Jarvis, whose father James befriends the preacher Stephen Kumalo. For 10 points, name this novel about racial injustice in South Africa, the best known work of Alan Paton.

ANSWER: ***Cry, the Beloved Country***

034-09-1-04109

10. This case involved a collection of five distinct cases such as *Briggs v. Elliott*, and this case furthered the decision made earlier in *Sweatt v. Painter*. This case used in its argument an experiment showing a preference in doll selection by children as run by Mamie and Kenneth Clark. A follow-up case strengthened the decision in this case by declaring action be taken "with all deliberate speed." For 10 points, name this case won by Thurgood Marshall, which made unlawful the practice of segregation in schools.

ANSWER: ***Brown v. Board of Education of Topeka***

023-09-1-04110

1. In one story about this man, he is mistaken for a god because he survives being bitten by a venomous snake. Afterwards, this man cures the father of Governor Publius. This man's servant, Barnabas, was his companion on his journeys, which included being shipwrecked on Malta. This man was healed by Ananias (AAH-nuh-NYE-us) after his eyes were covered in scales on the road to Damascus, causing this man to convert. For 10 points, name this early Christian leader, famous for his many letters, such as the one to the Corinthians.

ANSWER: St. **Paul** of Tarsus [or **Saul** of Tarsus]

021-09-1-04111

BONUS. The second ruler of this name was killed while jousting in celebration of the recently signed Treaty of Cateau-Cambrésis. For 10 points each:

[10] Give this name also held by a group who participated in a War of the Three men of this name, which was fought by the Duke of Guise and the third and fourth men of this name.

ANSWER: **Henry** [or **Henri**]

[10] Henry II's jousting death occurred near this French city, which also saw the St. Bartholomew's Day Massacre and was "well worth a mass" to Henry IV.

ANSWER: **Paris**

[10] The St. Bartholomew's Day Massacre attacked this group of French Protestants, to whom Henry IV gave certain rights in the Edict of Nantes.

ANSWER: **Huguenots**

023-09-1-04201

2. This man removed Clause IV from his party's constitution, which was part of this leader's idea of the "Third Way." This man unexpectedly assumed his party's leadership after the death of John Smith. Devolution in Northern Ireland was helped along by this man's work on the Good Friday Agreement. This leader added the word "New" to his party's name to describe his agenda before winning an election against John Major. For 10 points, name this Labour prime minister of Great Britain, who was succeeded by his Chancellor of the Exchequer, Gordon Brown.

ANSWER: Tony **Blair** [or Anthony Charles Lynton **Blair**]

023-09-1-04112

BONUS. One of this sculptor's works shows two bodies embraced in a near block shape. For 10 points each:

[10] Name this sculptor of *The Kiss* who also created a work thirty meters tall to honor Romanian soldiers in his *Endless Column*.

ANSWER: Constantin **Brancusi**

[10] This Brancusi work attempted to capture "the essence of flight" of a certain animal. It notably was not considered a piece of art by U.S. Customs officials in 1926.

ANSWER: ***Bird in Space***

[10] This Brancusi sculpture resembles a certain male body part, although it depicts the upper body of an unnamed woman with an elongated neck.

ANSWER: ***Princess X***

023-09-1-04202

3. In one novel by this author, Gloria crashes into a fire hydrant, and Adam disinherits his grandson Anthony Patch. He wrote about the failed courtship of Isabella Borge and Rosalind Connage by Amory Blaine in *This Side of Paradise*. This author wrote a novel in which the "valley of ashes" is presided over by the eyes of Dr. T. J. Eckleberg and the world series is fixed by Meyer Wolfsheim. In that novel, George Wilson shoots the title character after his wife Myrtle is run over by Daisy, the object of affection of the West Egg neighbor of Nick Carraway. For 10 points, name the author of *The Great Gatsby*.

ANSWER: Francis Scott Key **Fitzgerald**

015-09-1-04113

BONUS. Characters in this work include the Pig of Eight Prohibitions, who uses the Nine-Toothed Rake to assist the protagonist, Xuanzang. For 10 points each;

[10] Name this novel, in which Sun Wukong is sent to assist Xuanzang in his quest to obtain Buddhist sutras.

ANSWER: ***Journey to the West*** [or ***Monkey*** or ***Xi You Ji*** or ***Hsi Yu Chi***]

[10] *Journey to the West* is one of the Four Classical Novels of this country's literary tradition, which is home to writers such as Lu Xun and Li Po.

ANSWER: People's Republic of **China**

[10] Sun Wukong goes on a pilgrimage to this nation, whose literary works include *The Interpreter of Maladies* and *A Suitable Boy*, the masterpieces of Jhumpa Lahiri and Vikram Seth.

ANSWER: Republic of **India**

038-09-1-04203

4. Jerome Lejeune first discovered the cause of this disease. Common characteristics associated with sufferers of this disease include epicanthic eye folds; a broad, flat face; and a wrinkled tongue; in addition to mental impairment. This disease, which was formerly known as mongolism, is significantly more common in children born to mothers over the age of 40. For 10 points, name this genetic disorder in which individuals possess an extra copy of chromosome 21.

ANSWER: **Down syndrome** [accept **trisomy 21** before "21" is read]

025-09-1-04114

BONUS. For 10 points, name these Native American friends of early white settlement in the New World.

[10] This daughter of Powhatan supposedly pleaded with her father to spare John Smith, the leader of the Jamestown colony.

ANSWER: **Pocahontas** [or Rebecca **Rolfe**; or **Matoax**]

[10] This Patuxet served as interpreter between the Plymouth Colony and the local Wampanoag Indians, and he is credited with helping the Pilgrims survive their first winter.

ANSWER: **Squanto** [or **Tisquantum**]

[10] This leader of the Wampanoag made an alliance with the Pilgrims. He was the grandfather of King Philip.

ANSWER: **Massasoit** [or **Ousemequin**; or **Woosamequen**]

003-09-1-04204

5. This group lost the Battle of Vouille to Clovis of the Franks. These peoples converted from Arianism to Catholicism under the reign of Reccared I. This group was ruled by the Balti Dynasty during their occupation of Iberia, which ended with the arrival of the Umayyads. This group established a kingdom based from Toulouse. Under Alaric I, this group became the first Germanic tribe to sack Rome. For 10 points, name these Germanic peoples who migrated out of Dacia with the Ostrogoths.

ANSWER: **Visigoths** [prompt on **Goths**; prompt on **Vesi**; prompt on **Tervingi**]

036-09-1-04115

BONUS. The central belief in this mythology was that Anubis (uh-NOO-biss) will weigh the hearts of the dead. For 10 points each:

[10] Identify this ancient culture, which also believed that its pharaohs were divine.

ANSWER: **Egypt** [or **Egyptian** mythology or other reasonable equivalents]

[10] The Coffin Texts and Pyramid Texts are part of this source for Egyptian mythology. It is a collection of funerary prayers also known as the Book of Going Forth By Day.

ANSWER: the Egyptian **Book of the Dead**

[10] A different work called the Book of the Dead, known locally as the Bardo Thödrol, was produced by the Buddhist culture of this place. The leader of the Yellow Hat sect ruled this former state before its annexation.

ANSWER: **Tibet** [or **Bod**; or **Tibet** Autonomous Region; or **Xizang** Zizhiqu; or **Hsi-tsang** Tzu-chih-ch']

019-09-1-04205

6. An equation for the loading of beams in physics is named for Daniel Bernoulli and this man. This man's contributions to graph theory included determining an equation to relate the number of edges, faces and vertices of a convex polyhedron, and he determined that no solution existed for the Seven Bridges of Königsberg problem. For 10 points, name this Swiss mathematician, who lent his name to the base of the natural logarithm, e.

ANSWER: Leonhard **Euler**

051-09-1-04116

BONUS. These objects consist of a singularity surrounded by an event horizon. For 10 points each:

[10] Name these objects whose gravitational fields are so powerful, even light cannot escape.

ANSWER: **black holes**

[10] Black holes emit radiation named for this wheelchair-bound physicist who wrote about the early universe in *A Brief History of Time*.

ANSWER: Stephen **Hawking**

[10] This man first laid out the principle of radiative equilibrium, and gave an exact solution to Einstein's general gravitational equations. He names a gravitational radius that dictates when particles in an object must undergo gravitational collapse, used in black holes.

ANSWER: Karl **Schwarzschild**

004-09-1-04206

7. This god killed King Kartavirya (CAR-tuh-VEER-yuh) and reclaimed the Kerala region from the sea during a phase in which he wielded an axe. In the Rig Veda, this god is described crossing the entire universe in just three steps. To support Mound Mandara during the Churning of the Ocean, this god turned into a turtle. He warned Manu of a massive flood by turning into a fish. This god rides Garuda, a bird-man, and his consort is Lakshmi. His forms include Rama and Krishna, known as avatars. For 10 points, name this preserver god from Hinduism, who is part of a triad with Shiva and Brahma.

ANSWER: **Vishnu**

021-09-1-04117

BONUS. This author claimed "Either was the other's mine" in a poem about two figures that was appended to Robert Chester's *Love's Martyr*. For 10 points each:

[10] Name this author of *The Phoenix and the Turtle*, who also wrote the poem *Venus and Adonis* and a series of sonnets addressed to figures like the "Dark Lady" and "Rival Poet."

ANSWER: William **Shakespeare**

[10] In this Shakespeare play, the title figure duels Laertes and dies just as Young Fortinbras invades his kingdom in Denmark. Other characters include Polonius and Ophelia.

ANSWER: *The Tragedy of **Hamlet**, Prince of Denmark*

[10] This Shakespeare play includes the line "if music be the food of love, play on" and the hilarious Sir Toby Belch, but centers on the cross-dressing Viola.

ANSWER: ***Twelfth Night**, Or What You Will*

026-09-1-04207

8. One of this author's works includes quotations from such invented figures as Father Gassaldas Jape, while one of his short stories sees a deaf-mute boy encounter wounded soldiers returning from the title battle, after which he finds his house aflame. This author of "Chickamauga" wrote about Peyton Farquahar, who imagines escaping through the woods to his family only to realize he's been hanged by Union troops in "An Occurrence at Owl Creek Bridge." For 10 points, name this author of a work once called *The Cynic's Word Book*, *The Devil's Dictionary*.

ANSWER: Ambrose Gwinnett **Bierce**

029-09-1-04118

BONUS. Jane Jacobs studied the "death and life" of great American ones. For 10 points each:

[10] Name these entities studied in urban planning.

ANSWER: **cities**

[10] Jacobs lauded the vibrancy of this formerly bohemian neighborhood of Lower Manhattan, which is home to Washington Square Park.

ANSWER: **Greenwich Village**

[10] This city still has several residential neighborhoods in its downtown core, thanks in part to Jacobs's efforts to stop the construction of the Spadina Expressway.

ANSWER: **Toronto**

024-09-1-04208

9. This composer included an "Air" marked "andante religioso" as well as a "Sarabande" and "Gavotte" in his suite celebrating the playwright Ludvig Holberg. A timpani roll leads to an A minor chord to start the only piano concerto of this composer of *Lyric Pieces*. This composer wrote a movement depicting trolls in a suite that also includes "Anitra's Dance" and "Morning Mood" For 10 points, name this composer who included "In the Hall of the Mountain King" in his Peer Gynt Suite, a Norwegian.

ANSWER: Edvard Hagerup **Grieg**

036-09-1-04119

BONUS. Answer the following about an algebraic formula, for 10 points each.

[10] This formula gives both roots of any polynomial of degree two, which are equal to negative b plus or minus the square root of the quantity b squared minus four a c, all over two a.

ANSWER: **quadratic** formula

[10] If this function of a polynomial's coefficients is zero, the polynomial has a multiple root. In the case of the quadratic, it is b squared minus four a c.

ANSWER: **discriminant**

[10] In a cubic function, a negative discriminant indicates that two of the roots of the function form this pair of expressions, such as 6 plus 4 i and 6 minus 4 i, that differ only in the sign of their imaginary part.

ANSWER: **complex conjugates** [prompt on **complex** numbers]

025-09-1-04209

10. The grains of this kind of rock are classified based on whether they are phaneritic (fan-er-it-ick) or aphaneritic (eh-fan-er-it-ick) based on crystal size and visibility. These rocks are classified based on their silicon content as felsic or mafic. Formations with large amounts of exposed rock of this type are called batholiths, and usually form when sedimentary rocks have eroded from around intrusive formations. Often expelled via pyroclastic flow, the most notable rocks of this kind are granite and basalt. For 10 points, name this type of rock made from cooled magma.

ANSWER: **igneous** rock

021-09-1-04120

BONUS. This instrument is similar to the cornet and flugelhorn. For 10 points each:

[10] Name this B-flat brass instrument, played by Dizzy Gillespie and Wynton Marsalis.

ANSWER: **trumpet**

[10] This jazz trumpeter revolutionized the idiom with his albums *Birth of the Cool* and *Kind of Blue*.

ANSWER: Miles **Davis**

[10] This saxophonist joined the Miles Davis Quintet before developing his "sheets of sound" style. He went on to record *A Love Supreme*.

ANSWER: John William **Coltrane**

019-09-1-04210

1. [10] Name the TV show which began when Oceanic Flight 815 crashed on an island, and which focuses on surgeon Jack Shepard, the enigmatic John Locke, and onetime fugitive Kate Austen.

ANSWER: Lost

2. [10] This is a 10-second calculation question. Find the total cost of a \$140 hotel room after 19% taxes are applied.

ANSWER: \$166.60

3. [10] One master of this form was Matsuo Basho. Name this style of three line poetry which uses five syllables for the first and last lines and seven syllables in the middle line.

ANSWER: haikus

4. [10] This man announced in June, 2009, that he will not be running for a third term in 2010, likely indicating his plan to run for president in 2012. Name this Republican governor of Minnesota.

ANSWER: Timothy Pawlenty

5. [10] This is a 20-second calculation question. Determine the slope of the line through the points (2, 4) and (8, -2).

ANSWER: -1

6. [10] This law of physics states that acceleration is determined by the net force acting on an object and that object's mass. Name this law, which is often stated "F equals m times a."

ANSWER: Newton's second law of motion [or obvious equivalents]

7. [10] Name the objects that can come in cirque, alpine, and continental varieties, and which have recently been melting in the Antarctic due to climate change.

ANSWER: glaciers

8. [10] When this language is in the genitive case, it uses the articles "des" and "der." Name this language whose nominative case uses the articles "der," "die," and "das."

ANSWER: German

9. [10] It is spanned by the Vasco de Gama Bridge near its outlet into the Atlantic Ocean. Name this river that begins in Spain before passing through Portugal to Lisbon.

ANSWER: Tagus River

10. [10] This is a 30-second calculation question. If a trapezoid with area 11.5 square meters is expanded so that each side is three times longer than it was before, what is the area of the new trapezoid?

ANSWER: 103.5 square meters

023-09-1-04401

1. [10] This team's past stars included Bill Walton and Clyde Drexler. Name this NBA franchise that plays in the Rose Garden and is led by Brandon Roy.

ANSWER: **Portland Trailblazers** [or Portland Trailblazers]

2. [10] This is a 10-second calculation question. Find the value of  $x$  that makes the equation  $3x + 17 = 24$  true.

ANSWER: **7/3** [or **2 1/3**]

3. [10] Name the term for using an associated object or person to describe a subject, such as when the word "crown" is used for "king" or "queen."

ANSWER: **metonymy**

4. [10] During their first meeting, this man gave President Obama a copy of *The Open Veins of Latin America*. Name this president of Venezuela.

ANSWER: Hugo **Chavez** Frias

5. [10] This is a 30-second calculation question. If a shopper buys five packages of hot dogs at two for three dollars and four packages of hot dog buns at 99 cents each, how much will he need to pay (without tax)?

ANSWER: **\$11.46**

6. [10] These can come in a motile form for movement or a non-motile form for sensing. Name these projections found only on eukaryotic cells.

ANSWER: **cilia** [or **cilium**]

7. [10] This man created his greatest invention while on the farm owned by General Nathanael Greene's widow. Name this inventor of the cotton gin.

ANSWER: Eli **Whitney**

8. [10] It was made in sixteen versions in marble or bronze, and its creator said he "sought the essence of flight." Name this Constantin Brancusi sculpture showing avian movement.

ANSWER: **Bird in Space**

9. [10] This person studied the Zuni and Dobu in *Patterns of Culture*. Name this American anthropologist who studied Japan's "shame culture" in *The Chrysanthemum and the Sword*.

ANSWER: Ruth **Benedict**

10. [10] This is a 20-second calculation question. Find the mean of the test scores 77, 85, 82, and 91.

ANSWER: **83.75**

023-09-1-04401

1. The Krahn people were the dominant ethnic group in this nation until the arrival of settlers under Joseph Jenkins Robert. This nation's presidents have included William Tubman and William Tolbert. Samuel Doe was president of this nation until he was killed in a war against Charles Taylor. This nation has faced a civil war as recently as 2003, which spilled over into neighboring Sierra Leone, but it has been relatively stable since. Colonized by freed slaves, for 10 points, name this West African nation whose capital is Monrovia.

ANSWER: Republic of **Liberia**

035-09-1-04122

2. This author described a "creature, naked, bestial" that eats its own heart in his *The Black Riders*. In one of his works, Bill is accused of being a "board-whacker" by the Swede, and another work by this author of "The Blue Hotel" involves Marshall Jack bringing his new bride to the title Texan town. This author of "The Bride Comes to Yellow Sky" wrote about a captain, cook, oiler, and correspondent in one work and wrote about the Civil War experiences of Henry Fleming in another. For 10 points, name this author of *The Open Boat* and *The Red Badge of Courage*.

ANSWER: Stephen **Crane**

029-09-1-04123

3. F5 steganography (eff-five steg-uh-NAH-gruh-fee) encodes messages in files generated using this algorithm. The third stage involves quantization of the coefficients generated by a two-dimensional discrete cosine transform. That stage makes this a lossy compression algorithm. In its first stage, color and lightness data are encoded separately. For 10 points, name this standard for image compression developed by and named after the Joint Photographic Experts Group.

ANSWER: **JPEG** [or **JPG**; or **JPE**; or **Joint Photographic Experts Group** until it is read]

003-09-1-04124

4. In one early scene of this novel, Sam and Andy excite the horses to delay a pursuit for their friend. Another character in this novel distributes locks of her hair as she dies, inspiring compassion in Ophelia. The protagonist becomes separated with his wife Aunt Chloe, but his fate turns when he saves Eva from drowning, impressing her father Augustine St. Clare. Eventually, that title character is beaten to death by Simon Legree. For 10 points, name this best selling anti-slavery novel of the 19th century, written by Harriet Beecher Stowe.

ANSWER: **Uncle Tom's Cabin**

034-09-1-04125

5. This word denotes a region, named after an Arabic phrase meaning "land of the black peoples," that includes the Sahel and comprises the belt of savanna plains south of the Sahara Desert and north of the central African rainforests. This word also refers to a country within that region, which is home to the cattle-dependent Nuer (NEW-err) people. Conflict between the Arab and black population, as well as between Muslims and Christians, has led to the rise of the Janjaweed (JOHN-juh-weed) militias in, for 10 points, what country, thus causing a refugee crisis in its Darfur region?

ANSWER: the **Sudan**

019-09-1-04126

6. In one novel by this author, Elicio and Erastro travel to a wedding with Florisa and La Galatea. One of this author's characters washes his head in a basin lacking water so that he eats dinner with suds on his head in the presence of the Duke and the Duchess, and another is promised governorship of an island and rides a small donkey. This author wrote about Master Peter's puppet show and a talking ape in a book where the knight of the white moon convinces a man to stop attacking windmills. That character rides Rocinante, loves Dulcinea, and is served by Sancho Panza. For 10 points, name this Spanish author of *Don Quixote*.

ANSWER: Miguel de **Cervantes** Saavedra

033-09-1-04127

7. This document specified that Canada could choose at any time to join the United States. Under this charter, the government passed the Land Ordinance and the Northwest Ordinance, but had no power to tax. The Annapolis Convention was intended to revise this document. Instead, a subsequent meeting led to this document's replacement with a new charter that gave more powers to a central government. For 10 points, identify this framework of the United States government from 1781 until 1789, when it was replaced by the U.S. Constitution.

ANSWER: **Articles of Confederation**

019-09-1-04128

8. A Wheatstone bridge can be used to determine an unknown value for this quantity, which equals the real part of the impedance. This quantity is multiplied by the square of current to find power. It is multiplied by capacitance to find the time constant for one kind of DC circuit. If circuit elements generating this quantity are connected in series, an equivalent value of it is the sum of individual values. For 10 points, name this quantity that, by Ohm's Law, equals voltage divided by current.

ANSWER: **resistance**

003-09-1-04129

9. This writer noted that the "holy glimmers" in the eyes of altar boys and the "pallor of girls' brows" convey more than candles and pall do in a funeral for "those who die as cattle." In a poem with a similar theme, the narrator sees his friend drowning "under a green sea" after hearing the yell "Gas! GAS! Quick, boys!" He adds that the soldiers marched "bent double, like old beggars under sacks," and condemns Horace's "old lie" that it is sweet and becoming to die for one's own country. For 10 points, name this World War I poet of "Anthem for Doomed Youth" and "Dulce et Decorum Est."

ANSWER: Wilfred Edward Salter **Owen**

034-09-1-04130

10. This artist created a panel divided into "The Bride's Domain" and "The Bachelor's Domain" in his *The Bride Stripped Bare by Her Bachelors, Even*. His "Prelude to a Broken Arm" was simply a snow shovel, and this artist added a mustache to the Mona Lisa under the title *LHOOQ*. This artist's other "Readymades" include a urinal inscribed with the name "R. Mutt" and displayed under the title *Fountain*. This artist riled up controversy at the Armory Show with his cubist inspired *Nude Descending a Staircase*. For 10 points, name this French proponent of Dada.

ANSWER: Marcel **Duchamp**

015-09-1-04131

1. Documents important to this religion include the Kebra Nagast and the Holy Piby. This religion's dietary restriction is known as I-tal. This religion labels undesirable products of western civilization as Babylon. This religion regards Marcus Garvey as a prophet and refers to God as Jah. Other key precepts of this religion include the smoking of Ganja and the belief that founder Haile Selassie will establish a perfect state called Zion. For 10 points, name this religion most commonly followed by dreadlock wearing Jamaicans.

ANSWER: **Rastafarianism**

015-09-1-04132

2. In a novel by this author, Dmitri Nekhludoff is wracked with guilt after serving on a jury that condemns his former lover Katusha Maslova. In addition to writing *Resurrection*, this author wrote about the master of Gerasim, who hits his side against a wall while putting up new curtains and develops hate for his son and wife. This author of *The Death of Ivan Ilyich* wrote a novel that includes the death of Andrey Bolskonoy and the narrator Pierre Bezukov, who figure in a long narrative about Napoelon's invasion of Russia. For 10 points, name this author of *War and Piece*.

ANSWER: Leo Nikolayevich **Tolstoy**

019-09-1-04133

3. This element's hydrides come in forms like closo-, nido-, and arachno-, and were useful in formulating Wade's rules. Three nitrogens and three of this element form the central ring of the so-called "inorganic benzene." This element complexed to hydrogen is dissolved in THF in an anti-Markovnikov oxidation reaction partly named for it. The triatomic allotrope of this element is a 9.3 on the Mohs scale, and it often forms Lewis acids because of its three valence electrons. For 10 points, name this metalloid element, number five on the period table, with chemical symbol B.

ANSWER: **boron** [accept **B** before it is read]

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