



1. This novel was critiqued in the essays “Many Thousands Gone” and “Everybody’s Protest Novel” by James Baldwin. Those essays appeared in a collection titled for this novel. The protagonist of this novel is defended by the Communist lawyer Boris A. Max in a trial where it is demonstrated that he raped and murdered Bessie Mears. While working as a chauffeur, the protagonist accidentally smothers to death the white girl Mary Dalton. For 10 points, name this novel about Bigger Thomas written by Richard Wright.
ANSWER: *Native Son*

014-12-55-01101

2. The explorer Diego Velazquez de Cuellar established the first European settlement in this country at Baracoa. The Panopticon prison Presidio Modelo is located on this country’s island Isle of Youth, which is separated from the mainland by the Gulf of Batabano. This country is just north of the Cayman Islands and Jamaica. The Windward Passage separates this country from Haiti by fewer than ninety miles at its Guantanamo region. For 10 points, name this Caribbean island nation, long ruled by the Castro family.
ANSWER: **Cuba**

015-12-55-01102

3. In this story, a gigantic clock chimes every hour, creating “a brief discontent,” even though everyone vows not to react the next time. A location in this story has seven rooms, which are all decorated in different colors, with the last room’s scarlet light creating “a deep blood color.” This story ends with the title entity holding “illimitable domain over all” after the main character and his revelers all die. For 10 points, name this Edgar Allan Poe short story about Prince Prospero attempting to evade the title plague.
ANSWER: "The **Masque of the Red Death**"

052-12-55-01103

4. This film begins with a woman embezzling money to marry her lover Sam Loomis. The end of this film has Dr. Fred Richmond analyzing a character who has a hobby of stuffing dead birds of prey. The detective Milton Arbogast is slain by the antagonist, a disturbed man who dresses like his deceased mother. In this movie’s most infamous scene, Marion Crane is stabbed to death while screeching violins play on the soundtrack. For 10 points, name this Alfred Hitchcock movie in which the murderous Norman Bates kills a woman in her hotel room shower.
ANSWER: *Psycho*

052-12-55-01104

5. This man's predecessor may have been smothered with a pillow by Naevius (NYE-vee-uss) Sutorius Macro, whom this man later had executed along with his nephew Gemellus (GEH-meh-luss). According to Cassius Dio, during one military campaign, this man ordered his troops to collect seashells. This man allegedly planned to appoint his horse Incitatus (INN-cuh-tah-tuss) as a consul. This successor of Tiberius was assassinated by Praetorian guards and succeeded by Claudius. For 10 points, name this Roman emperor whose nickname means "little boot."
ANSWER: **Caligula** [or **Gaius Caesar Germanicus**]

142-12-55-01105

6. In one of this author's plays, the producer Sturdyvant stabs the pianist Toledo in a fit of rage. In another play by this author of *Ma Rainey's Black Bottom*, Rose's husband refuses to let their son Cory accept a football scholarship. This creator of the garbage man Troy Maxson also wrote a play in which Berniece refuses to let Boy Willie throw out the title musical instrument. For 10 points, name this African American playwright of *Fences* and *The Piano Lesson*.

ANSWER: August **Wilson** [or Frederick August **Kittel**]

079-12-55-01106

7. A coup named for Kapp targeted this government, which was opposed by the Spartacist League. This government gave up territorial claims against the USSR in the Treaty of Rapallo. The Dawes Plan was an attempt to collect reparations from this government, which was plagued by massive inflation. Paul von Hindenburg was President of this government, which was supplanted by Hitler's Third Reich. For 10 points, name this German "republic" that lasted for fourteen years after the end of World War I.

ANSWER: **Weimar** Republic [prompt on **Germany**]

079-12-55-01107

8. This quantity is proportional to the temperature cubed at low temperatures according to the Debye model, which was corrected by Einstein. This quantity is three times the gas constant divided by molar mass at high temperatures according to the Dulong-Petit law. A calorimeter can be used to find this quantity, which is one calorie, or 4.184 joules, for water. For 10 points, name this amount of heat needed to raise the temperature of a substance by one degree Celsius.

ANSWER: **specific heat** capacity [or specific **heat capacity**]

079-12-55-01108

9. During this monarch's reign, the "Ministry of All the Talents" formed during the Grenville ministry. This leader's Prime Minister Spencer Perceval was assassinated. The Gordon Riots were anti-Catholic riots during his reign, which occurred during the tumultuous ministry of Lord North. The Prince of Wales acted as regent in his later years due to a mental illness that earned him a reputation as a mad king. For 10 points, name this British king who reigned during the American Revolutionary War.

ANSWER: **George III** of Great Britain [or **George William Frederick**; or **Georg Wilhelm Friedrich**; prompt on **George**]

052-12-55-01109

10. The smallest cyclic alkane has this number of carbon atoms. The kinetic energy of a gas is given by one half this number times the absolute temperature times Boltzmann's constant. This is the van't Hoff factor for calcium chloride, and it is also the bond order of nitrogen gas. Aluminum ions commonly have this charge, which is also the number of oxygen atoms in a molecule of ozone. For 10 points, name this number of hydrogen atoms in ammonia which is also the atomic number of lithium.

ANSWER: positive **three**

127-12-55-01110

11. An official language in one region of this country is Aranese. The south of this country speaks a dialogue with "seseo," a merging of the "th" and "s" sounds. A group which speaks a language isolate in this country is represented by the militant "Euskadi Ta Askatasuna (yoo-SKAH-dee tah ah-ska-tah-SOO-nuh)." The only non-Romance language spoken in this country is common in Biscay and Bilbao. For 10 points, name this country which has such official languages as Basque and Catalan, which is spoken in Barcelona.

ANSWER: **Spain** [or **Espana**]

052-12-55-01111

12. Sodium borohydride (bohr-roh-HIGH-dride) and lithium aluminum hydride are two compounds used to perform this type of reaction. Elements like lithium and sodium with low ionization energies act as good agents for this type of reaction. In an electrochemical cell, this reaction occurs at the cathode. Oxygen gas undergoes this type of reaction when it reacts with hydrogen gas to form water. For 10 points, name this type of reaction in which a species gains electrons, the opposite of oxidation.

ANSWER: **reduction** reaction

064-12-55-01112

13. One leader of this organization fell after failing to stop the Orange Riot; that figure was replaced by "Honest John" Kelly. Another member of this group, a promoter of "honest graft," was named George Washington Plunkett. Its first leader was William Mooney. Named for a leader of the Lenape (leh-NAH-pay) tribe, this organization's most notorious leader was opposed by cartoonist Thomas Nast, who depicted this organization as a tiger. For 10 points, name this New York political machine led by Boss Tweed.

ANSWER: **Tammany** Hall

048-12-55-01113

14. One hypothesis regarding this disease states that it is caused by amyloid (AH-mih-loid) beta deposits. Another hypothesis regarding it is called the "cholinergic" (koh-lin-URGE-ick) hypothesis which proposes this disease is caused by a deficiency in acetylcholine (ay-ceet-al-col-leen), a neurotransmitter. Coming in early and late onset varieties, this disease tends to create "neurofibrillary (nur-oh-FIB-rih-larry) tangles" which clog up nerve cells within brain tissue. For 10 points, name this form of dementia, commonly found in senior citizens.

ANSWER: **Alzheimer's** disease

052-12-55-01114

15. This hormone is inactivated by the enzyme 11-beta-HSD2, and its synthesis relies on 11-beta hydroxylase (high-DROX-ih-lase) acting on a derivative of cholesterol. This hormone and derivatives of it are used to suppress the immune system, and it is released in response to ACTH release from the pituitary gland. This hormone, along with androgens and aldosterone (al-DAH-steh-rone), is released from the adrenal cortex. For 10 points, name this hormone which like adrenaline is released in response to stress.

ANSWER: **cortisol**

048-12-55-01115



1A. This is a 10-second calculation question. What is the surface area of a cube with side length 2 units?

ANSWER: **24** square units

1B. This is a 10-second calculation question. List the sample space of an experiment in which a fair coin is tossed twice.

ANSWER: **{heads, heads; heads, tails; tails, heads; tails, tails}** [or **{HH, HT, TH, TT}**]; or other answers unambiguously referring to whether the coin comes up heads or tails on each flip; do not accept or prompt on partial answer]

2A. Two of what type of animal report news of the world to Odin?

ANSWER: **Raven**

2B. What formula used to factor polynomials of degree two is defined "x equals the quantity negative b plus or minus the square root of b squared minus 4ac all over the quantity 2a?"

ANSWER: **quadratic** formula

3A. What American author wrote the Christmas story "The Gift of the Magi"?

ANSWER: O. **Henry** [or William Sydney **Porter**]

3B. What part of the psyche was proposed by Sigmund Freud as controlling basic drives and guided by the pleasure principle?

ANSWER: **id**

4A. Examples of what high male voice part include the roles of Rodolfo in *La Boheme* and Pinkerton in *Madama Butterfly*?

ANSWER: **tenor**

4B. What leader in the Non-Aligned Movement was also the first Prime Minister of India?

ANSWER: Jawaharlal **Nehru**

5A. This is a 20-second calculation question. What is the sum of the first fourteen integers?

ANSWER: **105**

5B. This is a 20-second calculation question. What is the cosecant of 210 degrees?

ANSWER: **-2**

6A. Papers by this man on Brownian motion and the photoelectric effect were published in 1905, his "Annus Mirabilis." Who was this scientist that also wrote a paper on special relativity that same year?

ANSWER: Albert **Einstein**

6B. Name the second-longest river in South America, which forms the Rio de la Plata with the Paraguay and Uruguay rivers and is stopped by the massive Itaipu (eet-EYE-poo) Dam.

ANSWER: **Parana** River

7A. The only movement from *Carnival of the Animals* that Saint-Saens allowed performances of during his lifetime depicted what animal?

ANSWER: *The **Swan*** [or *Le **cygne***]

7B. In January 2011, what son of a former Michigan governor was criticized by his primary opponents for engineering layoffs and firm closures while an executive at Bain Capital?

ANSWER: Willard Mitt **Romney**

8A. This is a 30-second calculation question. Solve for x: quantity $(x+2)$ over the quantity (x^2+3x+2) equals -1.

ANSWER: **empty set** [or the answer **does not exist**; or other obvious equivalents stating that no number satisfies the equation; do not accept "-2"]

8B. This is a 30-second calculation question. If the range of a set of five numbers is 8 and the median is 17, then what is the smallest possible mean for this set of numbers? Express your answer as a decimal to the tenths place.

ANSWER: **13.8** [the set is {9, 9, 17, 17, 17}]

9A. What figure of speech uses something associated with an entity to refer to that entity, such as referring to the U.S. government as "the White House"?

ANSWER: **metonymy** (meh-TAHN-uh-mee)

9B. "Minimum spanning" and "binary search" are types of what data structure that has "roots" and "leaves?"

ANSWER: **tree**

10A. Miles Warren created Ben Reilly as a clone of what character, who failed to save Gwen Stacy from the Green Goblin?

ANSWER: **Spider-Man**

10B. What ancient school of philosophy, founded by Zeno of Citium, did Marcus Aurelius write about in his *Meditations*?

ANSWER: **Stoicism**



1. The Watts Riots occurred under this President, who appointed Abe Fortas to the Supreme Court. He once told an aide, "We have lost the South for a generation." He defeated Coke Stevenson by eighty-seven votes in a Senate election, earning the nickname "Landslide." This President used the "Daisy Ad" to defeat Barry Goldwater in an election. The War on Poverty, Voting Rights Act, and Medicare were part of his Great Society. For 10 points, name this President who succeeded JFK.

ANSWER: Lyndon Baines Johnson [or LBJ; prompt on Johnson]

079-12-55-01117

2. One section of this poem describes a "gem of purest ray serene". The final nineteen lines of this poem are spoken by a "hoary-headed swain," and this poem describes a place "far from the madding crowd's ignoble strife." This speaker of this poem imagines "some mute inglorious Milton" and "some Cromwell guiltless of his country's blood" dwelling in the title location. This poem opens by describing the curfew that "tolls the knell of parting day." For 10 points, name this elegy written by Thomas Gray.

ANSWER: "Elegy Written in a Country Churchyard"

064-12-55-01118

3. This group of organisms contains an organizational center for growth called a Spitzenkörper (SPIT-zen-korp-ehr). They reproduce via cells called basidia (bah-SIH-dee-uh) and asci (AS-key), both of which produce spores. Lichens are a type of symbiotic organism composed of an algae and a member of this group of organisms. They contain a mass called a mycelium (my-SEEL-eh-um) composed of a thread like material composed of chitin (KIE-tin) called hyphae (HIGH-fay). For 10 points, name this kingdom of eukaryotic (yoo-kah-ree-YAH-tick) organisms studied by mycologists that include yeasts and mushrooms.

ANSWER: fungi [or fungus]

064-12-55-01119

4. He is not Estes Kefauver, but this man's father refused to sign the Southern Manifesto while serving as a senator from Tennessee. As a Senator, this man's wife co-founded the Parents Music Resource Center to raise awareness of violent music but resigned after he became Vice President. With running mate Joe Lieberman, this man lost an election that hinged on a contentious recount process in Florida. For 10 points, name this loser of the 2000 election to George W. Bush

ANSWER: Albert Arnold Gore, Jr.

052-12-55-01120

5. Wayne Wheeler was a prominent advocate for this movement. The enforcement of this movement is sometimes referred to as the "Noble Experiment." Carrie Nation was an ardent supporter of this movement known for using a hatchet. This movement was ushered in by the Volstead Act, drafted by the Anti-Saloon Act, and led to the rise of illegal speakeasies. For 10 points, name this movement in American history that was repealed after the Twenty-First Amendment allowed the sale of alcohol.

ANSWER: Prohibition [or temperance; prompt on similar answers like banning alcohol]

064-12-55-01121

6. In one of this man's plays, the critics Moon and Birdboot see a murder mystery play out at Lady Muldoon's estate. In another play by this author of *The Real Inspector Hound*, the story of an 1890s teenage mathematician is intercut with the present-day story of Bernard Nightingale. In another of his plays, the title characters hide in barrels after a flipped coin lands on heads ninety-two times in a row. For 10 points, name this British playwright of *Arcadia* and *Rosencrantz and Guildenstern Are Dead*.

ANSWER: Tom **Stoppard** [or Tomas **Straussler**]

079-12-55-01122

7. In the Gospel of Matthew, Jesus tells the Pharisees that this man's story parallels his own. According to the Qur'an, this man's father is Amittai (AM-it-eye). He first appears in Second Kings as a prophet during the reign of Jeroboam II. In his namesake book, God provides him with a tree for shade, but then God sends a worm to destroy the tree. He flees to Tarshish after God commands him to preach in Nineveh. For 10 points, name this prophet who is eaten by a large fish.

ANSWER: **Jonah** [or **Yunus**]

079-12-55-01123

8. This character's half-brother buys a locket and a ring from the Widow Corney and her husband. After getting shot, he is nursed back to health at the home of the Maylies. This character's real father is Edwin Leeford, and his half-brother is revealed to be Mr. Monks. After his mother dies, this character ends up in the care of Bumble. This title character meets the Artful Dodger and joins a gang of pickpockets led by Fagin. For 10 points, name this Charles Dickens character, an orphan who asks for more food at a workhouse.

ANSWER: **Oliver** Twist [or Oliver **Twist**]

052-12-55-01124

9. The speaker of this work contrasts his love with "dull sublunary lovers' love," which "cannot admit of absence." This poem concludes that "thy firmness makes my circle just and makes me end where I begun." The speaker of this poem claims that he and his lover "endure not yet a breach, but an expansion," claiming that they are two only as two legs of a compass are two. For 10 points, name this poem by John Donne which tells the addressee not to weep for him in his absence.

ANSWER: "A **Valediction: Forbidding Mourning**"

080-12-55-01125

10. The Prandtl (PRANT-ul) number is the ratio of a type of this to thermal diffusivity. Poiseuille's (pwuh-SELLZ) equation states that the pressure drop is proportional to this quantity. Six pi times the radius of a spherical object times its speed times this quantity gives the drag force by Stoke's Law. The ratio of inertial forces to forces due to this is given by the Reynold's number. Newtonian fluids have a constant value for this. For 10 points, name this measure of the internal friction of a fluid.

ANSWER: **viscosity**

127-12-55-01126

11. In a commercial parody of "The Newlywed Game," this player appeared with the man he succeeded in one position, Kurt Warner. After being drafted, this man was immediately traded for Philip Rivers after refusing to play for San Diego. In one Super Bowl, this Ole Miss alum threw a thirty-two-yard pass to David Tyree, who caught the pass with his helmet. This quarterback's team won a Super Bowl by defeating a previously undefeated New England Patriots squad. For 10 points, name this quarterback for the New York Giants, whose brother is named Peyton.

ANSWER: **Elisha Nelson Manning** [prompt on **Manning**]

052-12-55-01127

12. In one of this author's works, the protagonist is stirred by hearing his beloved exclaim, "Klopstock!" (KLOP-SHTOK). In that novel, the title character recites Ossian to his beloved, who is engaged to Albert. This author, who created a man who kills himself for love of Lotte (LAHT-uh), also wrote a closet drama about an insatiable scholar who seduces Gretchen after making a deal with Mephistopheles. For 10 points, name this German author of *The Sorrows of Young Werther* (VER-ter) and *Faust*.

ANSWER: Johann Wolfgang von **Goethe** (GER-tuh)

052-12-55-01128

13. One character in this movie owns a copy of *The Art of Domestic Horticulture*, although the flowers on his windowsill are dead. The antagonist of this movie frequently hums from Schubert's song "The Trout," calling himself the fisherman and the protagonist the caught fish. This movie climaxes at a diplomatic conference, where the disguised gypsy Rene plans to cause a world war by shooting an ambassador. After that plan is stopped, the title character jumps off of Reichenbach Falls with his nemesis, Professor Moriarty. For 10 points, name this 2011 sequel about a detective created by Arthur Conan Doyle.

ANSWER: *Sherlock Holmes: A **Game of Shadows*** [do not accept or prompt on "Sherlock Holmes"]

080-12-55-01129

14. In one of this man's short stories, a banker bets a lawyer two million rubles that the death penalty is preferable to life imprisonment. In one play by this author of "The Bet," Irina celebrates her name day with Olga and Maria. In another of his plays, Konstantin Treplev compares the actress Nina to the title bird. Madame Ranevskaya (RAN-ehf-SKIE-uh) is forced to relinquish the title piece of land in another play by this man. For 10 points, name this Russian playwright of *Three Sisters*, *The Seagull*, and *The Cherry Orchard*.

ANSWER: Anton Pavlovich **Chekhov**

079-12-55-01130

15. Most modern forms of these devices are made of tantalum or ceramics. Their strength is inversely proportional to the distance between their ends and directly proportional to their area. Unlike resistors, the strength of these devices in parallel equals the sum of their individual strengths. They contain an insulating material called a dielectric. On a circuit diagram, they are represented by two parallel lines. For 10 points, name these circuit components used to store electrical energy.

ANSWER: **capacitors**

064-12-55-01131



1. In 1978, this future world leader ordered the kidnapping of a man who later escaped his country and directed *3 Ninjas Knuckle Up*, but only after making several films under duress for this political figure. After he came to power, he established the policy of "Songun," or military first, in 1995. In 1983, this man was accused of ordering a bombing in Rangoon, Burma in an attempt to kill Chun Doo-hwan, the then-President of South Korea. For 10 points, name this Supreme Leader of North Korea who died in 2011.
ANSWER: **Kim Jong-Il** [prompt on **Kim**]

088-12-55-01132

2. In bacteria, nif genes code for a process that involves both this element and an enzyme with an iron-molybdenum complex. The rhizobia (rie-ZOE-bee-uh) in the root nodules of plants convert this element to a certain compound. This element provides base-like characteristics to pyrimidine (pih-RIH-mih-deen) and purine (PURE-een) and is bonded to carbon in a peptide bond. This element, which is found in amines, is converted to ammonia via its namesake fixation. For 10 points, name this gas that makes up eighty percent of Earth's atmosphere, with symbol N.
ANSWER: **nitrogen** [accept **N** before mentioned]

079-12-55-01133

3. One of his paintings features seated man in a black coat who looks at the title nude and responds to a similarly-titled Manet painting. He also painted two men in brown hats focused on a game with a bottle between them. In addition to *A Modern Olympia* and *The Card Players*, he painted trees leaning into a V-shape above the title nudes in another work. For 10 points, *The Bathers* is by which French post-impressionist, who painted many views of Mont-Sainte Victoire (mon-san vick-TWAR) and still-lives such as *The Basket of Apples*?
ANSWER: Paul **Cezanne** (say-ZAHN)

127-12-55-01134

4. This desert contains the Calico Early Man Site, the only Western Hemisphere dig of Louis Leakey. Within this desert, sodium bicarbonate is harvested from the dry Soda Lake. It contains the towns of Lancaster and Victorville, and its southwest is the foothills of the San Gabriel and San Bernardino mountains. Also bordering Lake Mead, its intersection with the Great Basin is found at Death Valley. For 10 points, name this southwestern American desert in Nevada and California, the home of Joshua Tree National Park.
ANSWER: **Mojave** Desert

019-12-55-01135

5. Features on the surface of these objects include light and dark bands known as ogives (OH-jives), and one type of volcano associated with these objects is called a tuya. Water enters these objects through moulins (MOO-lawns), and the accumulation zone is above the firn (FEERN) line on these objects. The movement of these objects causes moraines (muh-RAINS) and drumlins to form. Cracks in them are known as crevasses. For 10 points, identify these large masses of ice.
ANSWER: **glaciers**

132-12-55-01136

This is a calculation question. In slope-intercept form, what is the equation for a line with a slope of 3 that passes through the point (1,1)?

ANSWER: **$y = 3x - 2$**

132-12-55-01137

What name is given to the period of racial segregation and subjugation ended in 1994 in South Africa?

ANSWER: **apartheid**

132-12-55-01137