

1. **In one of this author's novels, the protagonist's prizewinning drawings win him the love of Miriam, but he is in love with the suffragette Clara. This author of the short story "The Rocking-Horse Winner" also wrote a work set at an estate in Wragby, where (\*) Constance and the gamekeeper Oliver Mellors have an affair. For 10 points, name this author who created Paul Morel in *Sons and Lovers* and also wrote the oft-censored *Lady Chatterly's Lover*.**

ANSWER: David Herbert Richards Lawrence

032-09-10-14102

2. **The radiative decay of this particle has a half-life on the order of at least ten to the thirty-five years. A technique in analytical chemistry measures the precession of the magnetic moments of nuclei (NOO-clay-eye) with an odd number of these particles, which is a type of (\*) NMR. This particle is composed of two up quarks and one down quark. Two of these particles and two neutrons comprise an alpha particle. For 10 points, name this first-generation hadron which is equivalent to the H-plus ion and is the positively charged component of an atomic nucleus.**

ANSWER: proton

022-09-10-14103

3. **The largest city of this nation is the site of the Askari Monument. The region of Arusha in this country contains Mount Meru and the Ngorongoro (ENG-guh-RAHN-guh-ro) Crater, as well as the Olduvai Gorge. This country is the site of the highest peak in Africa, Mount (\*) Kilimanjaro. Along with its western neighbors Burundi and Rwanda, it made up the colony of German East Africa. For 10 points, what country, whose capital is Dodoma and economic center is Dar es Salaam, was formed by the union of Zanzibar and Taganyika?**

ANSWER: The United Republic of Tanzania [or Jamhuri ya Muungano wa Tanzania]

034-09-10-14104

4. **This substance is combined with organomagnesium (or-GAN-oh-mag-NEEZ-ee-um) bromides to give carboxylic (CAR-box-ILL-ick) acids. As a supercritical fluid, it is used to decrease the viscosity of crude oil. Ethanol and this substance are produced in the (\*) fermentation of glucose by yeast. Its structure is predicted to be linear due to its two double bonds. In the presence of water, this triatomic substance is in equilibrium with carbonic acid. For 10 points, name this gas, symbolized CO<sub>2</sub> (see oh two).**

ANSWER: carbon dioxide [or CO<sub>2</sub> before it is read]

022-09-10-14105

5. **Ricercars (ry-chur-CAR-ayz) and canzonas (can-ZOH-nuz) were early examples of this musical form. They begin with one voice stating the theme, and another voice entering later to play the theme in a different key. J. S. Bach (BAHK) wrote "The (\*) Art of" this type of music. Bach also paired pieces in this musical form with preludes in The Well-Tempered Clavier (kluh-VEER). For 10 points, name this musical form consisting of many voices in imitative counterpoint, which Bach also paired with a toccata (tow-Kah-tuh) in D minor.**

ANSWER: fugues (fyoogs)

004-09-10-14106

6. **One event of this type was named for the Stono River, and another was named for the German Coast. Another of these events failed after floods washed out the bridges leading into Richmond. Denmark Vesey and Gabriel (\*)** Prosser were two men who led this kind of event. The leader of another of these events dictated his "confession" from Southampton County Jail. For 10 points, name these uprisings, whose most effective example in Virginia was led in 1831 by Nat Turner.

ANSWER: slave rebellions [accept slave revolts, slave uprisings, or any other clear equivalents]

003-09-10-14107

7. **After kidnapping Helen, this man accompanied his friend on an abortive kidnapping attempt in the underworld, which ended with him being stuck to a chair until he was rescued by Heracles. This companion of (\*)** Pirithous (PEER-uh-thoos) left one lover on Naxos after she helped him navigate a certain area with a ball of string. This hero killed the Crommyonian (CRAH-mee-oh-nee-un) sow and married the Amazon Hippolyta, making her the queen of Athens. For 10 points, name this hero who navigated the labyrinth and killed the Minotaur.

ANSWER: Theseus

027-09-10-14108

8. **One leader of this country was shot by Mehmet Ali Agca (AKH-chuh) and oversaw this country's establishment of diplomatic relations with Israel in 1993. Pietro Gasparri signed the Lateran Treaty to create this nation. Eugenio Pacelli (you-JEEN-ee-oh puh-CHEL-ee) and (\*)** Karol Wojtyla (VOY-chuh-luh) were two rulers of this nation, who each adopted new names after being elected by the College of Cardinals. For 10 points, name this country that is surrounded by Italy and was once headed by Pope John Paul II.

ANSWER: State of the Vatican City [or the Holy See; or Il Stato della Citta del Vaticano]

027-09-10-14109

9. **In a story by this author, a girl saves the Aubain (ow-BAN) family from a charging bull and is eventually consoled by a parrot named Loulou. This author of "A Simple Heart" also wrote a novel in which Monsieur Rouault's (roo-ALTS) farm girl captivates the husband of Heloise. In that work by this man, Heloise dies penniless, which opens the door for the title character to marry a country (\*)** doctor named Charles. This author created a woman who has affairs with Leon and Rodolphe. For 10 points, name this man who wrote *Madame Bovary*.

ANSWER: Gustave Flaubert

026-09-10-14110

10. **In one of this man's poems, the narrator claims "I've been a-climbin' on, and reachin' ladders, and turning corners" after telling her child "life for me ain't been no crystal stair." In another poem by this author of "Mother to Son," the speaker asserts "my soul has grown deep like the (\*)** rivers." In another work, this poet asks if something "dr[ies] up, like a raisin in the sun?" For 10 points, name this poet of "The Negro Speaks of Rivers" who asked "What happens to a dream deferred?" in his poem "Harlem."

ANSWER: James Mercer Langston Hughes

027-09-10-14111

11. **This man's band recorded the track "Syeeda's Song Flute" for an album they made in 1959. He recorded a jazz version of "My Favorite Things." Along with Cannonball Adderley, he was a saxophonist in Miles Davis's band during the recording of *Kind of Blue*. One of his works includes the movements "Acknowledgement," "Resolution," "Pursuance," and "Psalm." This (\*)** tenor saxophonist's band recorded the album *Giant Steps*. For 10 points, name this performer of *A Love Supreme*.

ANSWER: John Coltrane

027-09-10-14112

12. **One poem describes a woman "beloved in life of" this man. That poem mentioning this man is about Anne Rutledge and is found in *Spoon River Anthology*. One elegy for this man laments the "great star" in the "western sky in the night." Another elegy for him proclaims "the ship is (\*) anchor'd safe" and that for this person "they call, the swaying mass, their eager faces turning."** For 10 points, name this President, whose death was lamented in Whitman's "O Captain! My Captain!"

ANSWER: Abraham Lincoln

002-09-10-14113

13. **In the run-up to World War II, this city was the location of a Nazi plot that assassinated Engelbert Dolfuss and put Kurt Schuschnigg in power. Polish king John Sobieski helped defend this city in 1683 in an event that allegedly led to the invention of the (\*) croissant.** That was the second of two sieges, the other being 1529, in which the Ottomans tried to take this seat of Hapsburg power. For 10 points, name this city which served as the site of an 1815 Congress that redrew the borders of post-Napoleonic Europe.

ANSWER: Vienna [or Wien; or Viden; or Becs]

003-09-10-14114

14. **The singer of this song states, "life starts when the church ends." This song wishes that Bob Marley rests in peace. The singer states that he is "up at Bed-Stuy." This song is used as Derek Jeter's walkup music. The singer of this song claims he is the "new (\*) Sinatra."** Its title location is a "concrete jungle where dreams are made of." For 10 points, name this Jay-Z song featuring Alicia Keys with a chorus that states, "Let's hear it for New York."

ANSWER: "Empire State of Mind"

030-09-10-14115

15. **This present-day U.S. state was besieged during the War of Jenkins' Ear. The northern boundary of this state was established in Pinckney's Treaty. The Treaty of Payne's Landing forced one Native American tribe to relinquish holdings in this state. This state was ultimately acquired by the U.S. in the (\*) 1819 "Transcontinental Treaty" between John Quincy Adams and Luis de Onís.** For 10 points, name this former Spanish colony, which was the location of three Seminole Wars and the center of an Electoral College dispute in the 2000 Presidential election.

ANSWER: Florida

032-09-10-14116

16. **This philosopher alleged that man could conceive of a shade of blue he had never seen, and he also claimed that no miracle had ever been proven. His distinction between matters of fact and relations among ideas is known as his (\*) "fork."** He explored rational belief in a discussion between Cleanthes (clee-AN-theez), Philo, and Demea (DEH-mee-uh) in his *Dialogues Concerning Natural Religion*. His publication awoke Immanuel Kant from a "dogmatic slumber." For 10 points, name this Scottish thinker who wrote *An Enquiry Concerning Human Understanding*.

ANSWER: David Hume

063-09-10-14117

17. **The function of these units was hypothesized by Ramon y Cajal (cah-HALL), whose rival Golgi divided them into two types based on length. The analog of the tight junction in these units is the hillock, which becomes (\*) depolarized to initiate a positive feedback loop.** These cells undergo saltation when action potentials propagate across successive Nodes of Ranvier. The soma is the cell body of this type of cell, which contains dendrites and an axon. For 10 points, name this basic unit of the nervous system.

ANSWER: neurons [prompt on nerve cells]

020-09-10-14118

18. **This man painted three depictions of his bedroom in a house he shared with Paul Gauguin. This painter depicted a mustachioed man in front of a pool table while other patrons huddle at tables in his *The Night Café*. He showed a woman pouring out four cups of coffee in a work that shows (\*) peasants at the dinner table. Another work by this man shows a cedar tree and the church spire of Saint-Remy (sahn reh-MEE) jutting into the swirling sky. For 10 points, name this Dutch Post-Impressionist who painted *The Potato Eaters* and *The Starry Night*.**

ANSWER: Vincent Willem van Gogh

023-09-10-14119

19. **This type of function is asymptotically equal to a recurrence of F of N over 2 plus a constant. The complex form of this function for a given input can have infinite outputs separated by multiples of two pi. Its derivative is equal to one (\*) over x and the sum of two of these on values x and y is equal to this function of the quantity x times y. Changing the base of this operation by dividing it by its value for the new base. For 10 points, name this type of function that is that returns the inverse of an exponential and comes in natural and log varieties.**

ANSWER: logarithm [or log; accept natural logarithm and variants]

001-09-10-14120

20. **This thinker viewed society as a "superorganism" evolving towards a perfect equilibrium. This thinker's ideas were applied to American society by William Graham Sumner. In books such as (\*) *Social Statics*, this thinker argued that regulations to help the poor interfered with natural selection. For 10 points, name this British social Darwinist who coined the phrase "survival of the fittest."**

ANSWER: Herbert Spencer

004-09-10-14121

21. **In Act IV of this play, one character declares "We are such stuff as dreams are made on." One character meets the jester Trinculo and the butler Stephano and drunkenly offers to become their slave. That character and (\*) Ariel were condemned by Sycorax. The presumed death of Alonso's son leads Alonso inland, where he finds Ferdinand performing tasks for the island's ruler, the exiled Duke of Milan. That figure, Prospero, eventually reclaims his kingdom from Antonio in, for 10 points, what play about a brutal storm by William Shakespeare?**

ANSWER: *The Tempest*

060-09-10-14122

1. This god was hidden to prevent his father from eating him. For 10 points each:

[10] Name this god, who later defeated his father Cronos to become the leader of the gods.

ANSWER: **Zeus**

[10] This mother of Zeus watched Cronos eat her children Poseidon, Hades, Hestia, Hera, and Demeter, before finally giving Cronos a stone instead of Zeus.

ANSWER: **Rhea**

[10] While in hiding on Crete, Zeus was reared by this she-goat.

ANSWER: **Amalthea**

027-09-10-14201

2. One speaker of a poem in this collection "engirth[s]" "the armies of those I love." For 10 points each:

[10] Name this collection which includes "I Sing the Body Electric" and a poem that celebrates a "barbaric yawp," titled "Song of Myself."

ANSWER: **Leaves of Grass**

[10] This American poet wrote the collection *Leaves of Grass*, which also includes "Out of the Cradle Endlessly Rocking."

ANSWER: Walter **Whitman**

[10] This other Whitman poem begins "Flood-tide below me! I watch you face to face" and includes a description of the "shipping of Manhattan north and west."

ANSWER: "**Crossing Brooklyn Ferry**"

015-09-10-14202

3. It was discovered by J.J. Thomson. For 10 points each:

[10] Name this negatively charged particle that is lighter than a proton.

ANSWER: **electron**

[10] These neutrally-charged, nearly-massless particles come in electron, mu, and tau varieties.

ANSWER: **neutrino**

[10] Flavor oscillation helped explain a problem with the number of neutrinos emanating from this source. The shortage was initially discovered by the Homestake experiment.

ANSWER: the **sun** [or **solar** neutrinos]

001-09-10-14203

4. In the 2009 HDTV redo of the opening sequence, she is depicted shaking her fist at her long-time rival, the unbrowed Baby Gerald. For 10 points each:

[10] Name this pacifier-obsessed youngest member of the Simpson family.

ANSWER: **Maggie** Simpson [or **Margaret** Simpson]

[10] In a season-spanning cliffhanger from 1995, Maggie was revealed to have been the one responsible for this action during a botched attempt to steal candy from a baby.

ANSWER: **shooting** Mr. Charles Montgomery **Burns** [or obvious equivalents]

[10] Other characters shot by Maggie include EPA commissioner Russ Cargill and this mob boss voiced by Joe Mantegna.

ANSWER: **Fat Tony** [or Anthony **D'Amico**]

019-09-10-14204

5. It includes the marine Polychaeta class. For 10 points each:

[10] Name this phylum of segmented worms that includes earthworms.

ANSWER: **Annelida** [or **annelids**]

[10] Members of class Hirudinea are commonly known by this name. Because they produce anticoagulants, these creatures were once used to draw out "bad" blood.

ANSWER: **leeches**

[10] This phylum of flatworms includes tapeworms.

ANSWER: **Platyhelminthes**

001-09-10-14205

6. One character in this work has seventeen sons named Aureliano, and Remedios the Beauty floats into the sky one day. For 10 points each:

[10] Name this magical realist work about multiple generations of the Buendía family.

ANSWER: **One Hundred Years of Solitude** [or **Cien Años de Soledad**]

[10] This Columbian author of *Love in the Time of Cholera* wrote *One Hundred Years of Solitude*.

ANSWER: Gabriel **García Márquez** [prompt on **Márquez**]

[10] *One Hundred Years of Solitude* is set in this fictional town, which is destroyed at the end of the work.

ANSWER: **Macondo**

023-09-10-14206

7. James Tobin suggested that these be applied to currency conversions. For 10 points each:

[10] Name these economic levies, types of which include the "capital gains" type and the "value added" type.

ANSWER: **taxes**

[10] This type of tax has a rate which increases as the amount of income being taxed increases, and is contrasted with a regressive tax.

ANSWER: **progressive** tax

[10] This type of tax is levied on activities which cause negative externalities, in an attempt to correct the market outcome.

ANSWER: **Pigovian** tax

024-09-10-14207

8. Among its predecessor organizations was the Cheka, which helped crush the Kronstadt Rebellion. For 10 points each:

[10] Name this Soviet intelligence agency created in 1954 to serve as "the sword and shield of the Communist Party."

ANSWER: **KGB** [or **Komitet **Gosudarstvennoy **Bezopasnosti**; or **Committee for State Security**]****

[10] Among the targets of the KGB was this Soviet physicist and dissident, who publicly opposed the testing of a 100-megaton thermonuclear bomb in 1961.

ANSWER: Andrey **Sakharov**

[10] This other communist nation was terrorized by a secret police agency known as the Stasi and was led by Erich Honnecker.

ANSWER: **East Germany** [or **GDR**; or **DDR**; or **German **Democratic **Republic**; or **Deutsche **Demokratische **Republik**; or **Ostdeutschland**]********

030-09-10-14208

9. This composer used radio receivers for his *Imaginary Landscape #4*. For 10 points each:

[10] Name this American avant-garde composer best known for subjecting listeners to over four minutes of silence in his 4'33'' .

ANSWER: John **Cage**

[10] John Cage popularized the “prepared” form of this instrument, in which random objects are placed on it. This keyboard instrument derives its name from the Italian for “quiet-loud.”

ANSWER: **pianoforte**

[10] Cage was influenced by this French composer who used the Ondes (AHND) Martenot (mar-te-NO) and birdsongs in his work. He wrote the *Quartet for the End of Time*.

ANSWER: Olivier **Messiaen**

015-09-10-14209

10. Their 85-syllable writing system was invented by Sequoyah. For 10 points each:

[10] Name this people, one of the “Five Civilized Tribes,” which lost a Supreme Court case against the State of Georgia.

ANSWER: The **Cherokee** Nation

[10] This infamous agreement named for a Cherokee capital ceded all land east of the Mississippi. It promised “to remove them comfortably, and so as not to endanger their health.”

ANSWER: Treaty of **New Echota**

[10] Winfield Scott led a 7,000 man force to accompany the Cherokees to Oklahoma on this journey. Somewhere around 20 percent of the Cherokee population died in this event.

ANSWER: The **Trail of Tears** [or **The Trail Where They Cried** or **Nunna daul Tsuny**]

063-09-10-14210

11. The last line of this poem's first stanza asks, “What pipes and timbrels? What wild ecstasy?” For 10 points each:

[10] Name this poem which describes a piece of pottery engraved with the phrase “Beauty is truth, truth beauty; that is all ye know on earth, and all ye need to know.”

ANSWER: "**Ode on a Grecian Urn**"

[10] In 1819, this poet of "Ode to Psyche" and "Ode on Melancholy" wrote "Ode on a Grecian Urn."

ANSWER: John **Keats**

[10] Keats's poem "To Autumn" wonders "Where are the songs of" this season. In "Locksley Hall," Tennyson wrote that in this season "a young man's fancy lightly turns to thoughts of love."

ANSWER: **spring**

063-09-10-14211

12. Name these American twentieth-century artists with traditional styles, for 10 points each.

[10] This painter showed a paralyzed woman looking towards a farmhouse in his painting *Christina's World*.

ANSWER: Andrew Newell **Wyeth**

[10] This painter depicted traditional family scenes for covers of *Boy's Life* and the *Saturday Evening Post*.

ANSWER: Norman Perceval **Rockwell**

[10] This painter depicted the wintertime collection of maple sap in her *Sugaring Off*. She sold her paintings for only a few dollars until her work was discovered in an upstate New York drugstore in 1938.

ANSWER: Grandma **Moses** [or Anna Mary Robertson **Moses**]

026-09-10-14212

13. The main character of this novel starts off traveling with Selifan and Petrushka. For 10 points each:  
[10] Name this work in which Tchitchikoff (CHI-chi-koff) buys the title objects from wealthy landowners.

ANSWER: *Dead Souls* [or *Myortvye Dushi*]

[10] This Russian author of "The Overcoat" and *The Inspector General* wrote *Dead Souls*.

ANSWER: Nikolai Vasilievich Gogol

[10] In this Gogol story, Kovalyov wakes up one morning to find he is missing the title body part, which begins a life of its own for a time before returning to its normal place.

ANSWER: "The Nose" [or "Nos"; or "Hoc"]

023-09-10-14213

14. By the time an armistice to this war was signed at Panmunjom, command of the U.N. forces had been given to Mark Clark. For 10 points each:

[10] Name this conflict between the Communist North and the U.S.-allied South, which gained the upper hand after Douglas MacArthur's 1950 landing at Inchon.

ANSWER: the Korean War

[10] This former anti-Japanese leader became the head of the American-backed South Korean government during the war and remained in power until 1960 protests over election fraud.

ANSWER: Syngman Rhee

[10] Rhee's counterpart in the North was this object of a personality cult, who left rule of North Korea to his son upon his 1994 death.

ANSWER: Kim Il-sung [or Kim Song Ju; prompt on Kim]

019-09-10-14214

15. For 10 points each, name these nitrogen-containing compounds.

[10] This compound with formula  $\text{NH}_3$  is produced in the Haber (HAH-bur) cycle.

ANSWER: ammonia

[10] Friedrich Wöhler provided the first synthesis of an organic compound from inorganic materials when he synthesized this compound that consists of two amines joined via a carbonyl group.

ANSWER: urea [or carbamide]

[10] This compound with formula  $\text{N}_2\text{H}_4$  is used as rocket fuel and in the Wolff-Kishner reduction.

ANSWER: hydrazine

001-09-10-14215

16. During the "Card Song," it is revealed that both Don Jose and the title character are fated to die. For 10 points each:

[10] Name this opera, whose first act contains a habanera sung by a cigarette factory worker in Seville.

ANSWER: Carmen

[10] *Carmen* is an opera by this composer of *The Pearlfishers*.

ANSWER: Georges Bizet

[10] During Act II, Escamillo (ess-cuh-MEE-yo) describes his job in an attempt to impress Carmen in this aria.

ANSWER: Toreador Song [or "Votre toast, je peux vous le rendre"]

003-09-10-14216

17. This language runs in a namesake virtual machine. For 10 points each:

[10] Name this language developed by Sun Microsystems that is sometimes used in a namesake applet on webpages.

ANSWER: **Java**

[10] This language created by Guido van Rossum uses indentation instead of braces to denote blocks. It is named for a British comedy group.

ANSWER: **Python**

[10] This language is often used to create webapps using its namesake rails platform. As of version 1.9 YARV has been the official interpreter.

ANSWER: **Ruby**

001-09-10-14217

18. Answer these questions about dams found in Asia and Africa, for 10 points each:

[10] Lake Nasser was created after completion of this Egyptian dam on the Nile whose construction was significantly aided by the Soviet Union.

ANSWER: **Aswan** High Dam

[10] It is believed that about 1.2 million people have been displaced during the construction of this Chinese dam on the Yangtze River estimated for completion in 2011.

ANSWER: **Three Gorges** Dam

[10] The Akosombo Dam was completed along the Volta River in this West African nation bordered to the west by the Ivory Coast and the east by Togo.

ANSWER: Republic of **Ghana**

064-09-10-14218

19. Answer the following regarding the outbreak of World War I, for 10 points each.

[10] The assassination of this archduke in Sarajevo in 1914 started the July Crisis.

ANSWER: Franz **Ferdinand** of Austria

[10] This Serbian nationalist and member of the Black Hand was the assassin of Franz Ferdinand.

ANSWER: Gavrilo **Princip**

[10] Austria received support from Germany to do whatever it felt was necessary through the issuance of this communication, which was actually a telegram between the two powers.

ANSWER: the "**blank check**"

023-09-10-14219

20. The Golden Temple in Amritsar is an important site for this religion. For 10 points each:

[10] Name this religion that started with the teachings of a man called Nanak Dev, and whose members typically wear turbans and carry daggers.

ANSWER: **Sikhism** [or word forms including **Sikh**]

[10] Nanak Dev held this high rank in Sikhism, which has been by nine other men including Gobind Singh.

ANSWER: **guru**

[10] The fifth Sikh guru, Arjan Dev, began working on this compilation of Sikh scriptures, whose name literally means "first book."

ANSWER: the **Adi Granth** [or Guru **Granth** Sahib]

064-09-10-14220

21. Name these title characters of Henry Wadsworth Longfellow poems, for 10 points each.

[10] This man's "midnight ride" to the North Church tower signals the coming of the British with lanterns: "one if by land, and two if by sea."

ANSWER: Paul **Revere**

[10] During the upheaval of the Acadians from Canada, this farmer's daughter is separated from her fiancée Gabriel Lajeunesse; the pair only reunites when he is dying and she is a nun in Philadelphia.

ANSWER: **Evangeline** Bellefontaine

[10] This tradesman with "muscles...strong as iron bands" stands "under a spreading chestnut-tree" thinking of his late wife and teaching lessons about how "each burning deed and thought" of humanity is formed.

ANSWER: "The **Village Blacksmith**"

019-09-10-14221