

1. In 2008, the organization that coordinates this practice in the U.S. was the target of complaints by former board member Donna Leubke, who said that nearly a third of the clients in the organization's records are ineligible. Portugal, Belgium, and Norway have adopted the "presumed consent" model for this practice, while the U.S. remains (\*) opt-in. In parts of India, it is done on a for-profit basis. UNOS is the American agency which coordinates, for 10 points, what procedure, using an objective-criteria waiting list to determine who receives a heart or liver?

ANSWER: organ donation [or organ transplanting or other similar answers]

019-09-11-14102

2. Lieutenant Kermit Tyler found the first signs of this incident while observing the radar at Ft. Shafter. It was called Plan Z by the aggressors, and it was supposed to be carried out after reading a "14 part message." After this incident, Jeanette Rankin was the only congressman to vote against (\*) declaring war. In it, the U.S.S. Arizona was destroyed, and the Oklahoma and California were also ships that sunk. For 10 points, name this "Day that will live in infamy," a Japanese attack on a Hawaiian naval base.

ANSWER: the Japanese attack on Pearl Harbor [accept the bombing of Pearl Harbor or any reasonable answer mentioning Pearl Harbor]

027-09-11-14103

3. This man painted "people who are trying to set up an aristocracy of birth in a Republic" in front of Leutze's picture of *Washington Crossing the Delaware*. A man draws back a curtain to reveal a man holding a tree and a boy with an axe in this man's (\*) *Parson Weems' Fable*. He once claimed that all his best ideas came while milking cows, and he started a failed regionalist art colony in Stone City, Iowa. For 10 points, name this American artist who depicted his dentist and his wife as a farming couple in *American Gothic*.

ANSWER: Grant Wood

003-09-11-14104

4. This woman founded a lobbyist committee that successfully led the charge against the Comstock Law. Her column in the *New York Call* was called "What Every Girl Should Know," and her husband was jailed for illegally distributing her pamphlet (\*) *Family Limitations*. She claimed that her life was transformed after, while working as a nurse on the Lower East Side of New York, witnessing one of her patients die from a self-induced abortion. For 10 points, name this founder of *Planned Parenthood* and mother of the birth control movement.

ANSWER: Margaret Louise Sanger [or Margaret Louise Higgins]

003-09-11-14105

5. In this nation, the Red Brigades kidnapped then murdered a former Christian Democrat Prime Minister. Francesco Crispi resigned as premier of this nation after the Ethiopians defeated its forces at the battle of Adowa. The (\*) Blackshirts marched on the capital of this nation; earlier, its creation under Victor Emmanuel I was supported by the Redshirts. This nation signed the Lateran Treaty to help create the Vatican when fascists ruled it. For 10 points, name this country led by Benito Mussolini, whose independence was fought for by Guiseppe Garibaldi.

ANSWER: Italy [or Italian Republic; or Italia; or Repubblica Italiana]

027-09-11-14106

6. **This author created an antagonist who boasts "Sometimes I go about and poison wells." Another of this author's characters turns invisible in order to punch the Pope in the face, and is forcibly dragged to hell after selling his (\*) soul for 24 years.** This author caused blank verse to become the standard form of Elizabethan drama with his play *Tamburlaine*. Shylock is often compared to this author's villainous Jew Barabbas. For 10 points, name this sixteenth century English author of *The Jew of Malta* and *Doctor Faustus*.

ANSWER: Christopher Marlowe

004-09-11-14107

7. **A cancer of this tissue is the namesake of a tumor suppressor that binds to E2F. One of its boundaries is the ora serrata, and has both inner and outer plexiform layers. It is home to bipolar and amacrine cells. Unlike surrounding tissue, it develops from the brain. Structures in it include the (\*) macula and fovea.** This tissue is home to cones and rods. For 10 points, name this tissue of the eye that converts light into neural impulses whose blood vessels can be scanned to help identify a person.

ANSWER: retina

001-09-11-14108

8. **This man composed his first violin concerto for Pablo de Sarasate, for whom he also composed the *Introduction and Rondo capriccioso*. This composer's third symphony was dedicated to Liszt and featured an instrument mastered by Widor and Guilmant. He wrote a slowed-down version of Offenbach's "Can-Can" music in one work. This composer of an (\*) *Organ Symphony* and *Danse Macabre* (ma-CAWB) also musically depicted "Fossils," "Tortoises," and "The Elephant." For 10 points, name this French composer who wrote the *Carnival of the Animals*.**

ANSWER: Camille Saint-Saëns [or Charles-Camille Saint-Saëns]

026-09-11-14109

9. **Joule's first law relates this quantity to heat, time, and current squared, and an unknown value for this quantity can be calculated given three known values using a Wheatstone bridge. It is the inverse of conductance, and in AC circuits, this quantity, together with (\*) reactance, gives the impedance.** This quantity is equal to potential difference divided by current, according to Ohm's Law. For 10 points, name this quantity, the measure of an object's ability to oppose the flow of a current.

ANSWER: electrical resistance

025-09-11-14110

10. **This figure was born after his father assumed the guide of Gorlois, infiltrated Tintagel Castle, and impregnated Ygraine. This figure died of wounds inflicted at the Battle of Camlann, and was then brought to the island of (\*) Avalon.** This son of Uther Pendragon was fatally betrayed by Mordred. He acquired his sword from the Lady of the Lake. For 10 points, name this husband of Guinivere, who ruled the knights of the Round Table at Camelot.

ANSWER: King Arthur

004-09-11-14111

11. **This man coined a term for the mechanism by which the state controls the life of its people, a mechanism he called "biopower." He described the separation of a patient's body from the patient's identity as the "medical gaze." This author of *The Birth of the Clinic* wrote the three-volume *History of* (\*) *Sexuality*.** This philosopher discussed Bentham's panopticon prison in another work. For 10 points, name this French philosopher who wrote *Discipline and Punish*.

ANSWER: Michel Foucault [FOO-koh]

020-09-11-14112

12. **The Lawson criterion describes the conditions necessary for this to occur, and q values describe its efficiency. It can occur via inertial confinement or via a stellarator, which are more advanced than (\*) tokamaks. Examples of this process include the CNO cycle and the proton-proton chain. In the late eighties claims of a "cold" version of this surfaced. This process powers stars. For 10 points, name this process by which two nuclei come together to make a new nucleus.**

ANSWER: nuclear **fusion**

001-09-11-14113

13. **This region lies south of the Kunlun Mountains. In 2006, a railway was completed linking the capital of this region to Golmud and Xining (SHIN-ing). Mt. Kailash lies in the western part of this region, and the Yarlung (\*) Tsangpo River cuts a deep canyon through this region before becoming the Brahmaputra. Jokhang Temple and Potala Palace are found in this region's capital. For 10 points, name this plateau region with a capital at Lhasa that is bordered to the south by the Himalayas.**

ANSWER: **Tibet** [or **Xizang**]

036-09-11-14114

14. **In a painting by El Greco, this man wears a red tunic which is about to be ripped off by a man in green. In addition to that painting of "the disrobing" of this figure, he is depicted with extremely foreshortened feet in Andrea Mantegna's painting of his (\*) corpse. Caravaggio controversially depicted him without a beard in *The Supper at Emmaus*, and also painted him calling Matthew to become one of his disciples. For 10 points, name this common subject of religious paintings showing his crucifixion by the Romans.**

ANSWER: **Jesus** Christ [or Jesus **Christ**; or clear-knowledge equivalents]

004-09-11-14115

15. **One piece of equipment associated with these substances measures the electron energy distribution function and is called a Langmuir probe. Another piece of equipment uses a toroidal magnetic field to confine these substances. This type of substance is created at high (\*) temperatures when electrons gain enough kinetic energy to escape the pull of the nucleus. For 10 points, name this type of substance that makes up stars such as the Sun, and which is an ionized gas commonly known as the fourth state of matter.**

ANSWER: **plasmas** [prompt on ionized **gas**]

023-09-11-14116

16. **She referred to herself as Miss Quack, Quack, Quack, and she was the main character of a play by Frances Goodrich and Albert Hackett. She lives with the dentist Mr. Dussel and a cat named Mouchi. Her sister Margot helps her bake with her mother Edith. This author wrote (\*) "Despite everything, I believe that people are really good at heart." She begins to fall in love with Pieter Van Daan, but her writings to "Kitty" abruptly end when the Nazis discovered her and other Jews in the "Secret Annex." For 10 points, name this author of *Diary of a Young Girl*.**

ANSWER: Anne **Frank** [or Annalies Marie **Frank**]

027-09-11-14117

17. **This treaty gave the silver-rich Kionga Triangle in modern day Tanzania to Portugal. Anger over the fate of Shandong in this treaty led to the May 4th movement in China. The British delegation here was known as the "heavenly twins," as it was shared by Cunliffe and Sumner. Its 231st article was known as the War (\*) Guilt Clause, and this treaty was rejected by the US Senate under the isolationist leadership of Henry Cabot Lodge. For 10 points, name this treaty which forced heavy reparations on Germany and was named after a French palace.**

ANSWER: Treaty of **Versailles**

015-09-11-14118

18. **The protagonist of this work is discovered to be masquerading as a girl when he cannot thread a needle. A production of *The Royal Nonesuch* is put on by the Duke and the Dauphin in this novel, who accompany the protagonist after he escapes a feud between the (\*) Grangerfords and the Shepardsons. The protagonist of this novel flees to Jackson's Island after faking his own death and escaping from his abusive father Pap. For 10 points, name this Mark Twain novel in which the title character runs away with the slave Jim.**

ANSWER: *The Adventures of Huckleberry Finn*

015-09-11-14119

19. **One clause in this document deals with the removal of fish weirs, while two later clauses abolish much of existing forest law. Edward Coke wrote that this document "is such a fellow, that he will have no sovereign." Much of this work reiterated the earlier Charter of (\*) Liberties. Its "security clause" led directly to the First Barons' War. This document codified habeas corpus and called for a Great Council. For 10 points, name this document signed at Runnymede by King John, whose name is Latin for "Great Charter."**

ANSWER: The Magna Carta

060-09-11-14120

20. **One work by this author concerns "an old man in a dry month" who is "being read to by a boy." This author of "Gerontion" included a character who promises to "show you fear in a handful of dust" in another poem. Another poem by this author is a monologue by a character who has (\*) "measured out my life with coffee spoons" and asks "Do I dare disturb the universe?" For 10 points, name this author of "The Love Song of J. Alfred Prufrock" who included sections like "A Game of Chess" in his "The Wasteland."**

ANSWER: Thomas Stearns Eliot

015-09-11-14121

21. **This philosopher was criticized by Raymond Aron for the attempted union he tried to make in his essay "Search for a Method." That essay of this thinker served as an introduction to a work continuing on a mold set by Kant, this philosopher's *Critique of Dialectical Reason*. This man coined a term for a form of (\*) fakeness and self-deception called "bad faith." In one work, this thinker contrasted the being-for-others, for-itself, and in-itself. For 10 points, name this philosopher who wrote *Being and Nothingness*, who was a French existentialist.**

ANSWER: Jean-Paul Charles Aymard Sartre

023-09-11-14122

1. Recent research has shown that they have venom. For 10 points each:

[10] Name these largest of lizards, found only on a few islands in Indonesia.

ANSWER: **Komodo Dragons** [or **Varanus komodoensis**]

[10] Komodo dragons, like birds and some other reptiles use these two sex chromosomes as opposed to the mammalian XY.

ANSWER: **Z** and **W**

[10] In 2003, this island inhabited by Komodo dragons was the site of the discovery of the remains of a namesake possible dwarf species of hominids.

ANSWER: **Flores**

001-09-11-14201

2. This author told of his desire to "see my Pilot face to face" in the poem "Crossing the Bar" and lamented "the days that are no more" in "Tears, Idle Tears". For 10 points each:

[10] Identify this British poet who wrote of six hundred figures "charging an army, while all the world wonder'd" in his poem "The Charge of the Light Brigade."

ANSWER: Alfred, Lord **Tennyson** [or Alfred **Tennyson**, First Baron Tennyson]

[10] The title character of this Tennyson poem expresses his dissatisfaction at having to "mete and dole unequal laws unto a savage race," after which he describes his desire to leave Ithaca again.

ANSWER: "**Ulysses**"

[10] In the poem "In Memoriam A.H.H.," Tennyson asked if God and this concept are "at strife" before describing it as lending "evil dreams" and being "red in tooth and claw."

ANSWER: **nature**

029-09-11-14202

3. This language is the last pre-Indo-European tongue left in Europe. For 10 points each:

[10] Name this isolated language, spoken in a namesake country in northern Spain.

ANSWER: **Basque** [accept **Vasquo**; or **Euskara**]

[10] Theo Vennemann, who advances the "Vasconic substratum hypothesis" of Basque language origin, hails from this country. Jacob Grimm, who formulated Grimm's Law, also hailed from here.

ANSWER: **Germany** [accept **Deutschland**]

[10] Grimm's Law details a chain shift in Proto-Indo-European. A chain shift was responsible for this event, in which open sounds in English changed in pronunciation.

ANSWER: **Great Vowel Shift** [prompt on partial answer]

026-09-11-14203

4. This general was nicknamed the King of Spades for his focus on fortification. For 10 points each:

[10] Name this general who led the Army of Northern Virginia at Fredericksburg and Gettysburg as chief commander of Confederate forces for much of the Civil War.

ANSWER: Robert Edward **Lee**

[10] Lee fought George McClellan at the Sunken Road and Dunker Church in this bloody Maryland battle which was known as Sharpsburg in the north.

ANSWER: Battle of **Antietam**

[10] Lee was backed up by this general, whom he called his "Old War Horse," and who reluctantly ordered Pickett's Charge at Gettysburg.

ANSWER: James **Longstreet**

015-09-11-14204

5. They consist of two "dees" and a magnetic field to bend the path of charges. For 10 points each:

[10] Name these devices developed by Ernest Lawrence.

ANSWER: **cyclotron**

[10] Cyclotrons are an example of one of these devices that can come in linear or circular forms and move matter at high velocities.

ANSWER: **particle accelerator**

[10] This particle accelerator at CERN is the world's most powerful and will be used to try and find the Higgs boson.

ANSWER: **Large Hadron Collider** [or **LHC**]

001-09-11-14205

6. They were established by the Guardians of the Universe; notable people who have held this title include Abin Sur, Alan Scott, and Guy Gardner. For 10 points each:

[10] Name these people, who wield power rings that at one point were weak against yellow and had to be recharged every 24 hours.

ANSWER: **Green Lantern Corps**

[10] Various incarnations of Green Lantern have participated as members of this DC Comics superteam along with Superman, Batman, and Doctor Light among others.

ANSWER: **Justice League** of America [or **JLA**]

[10] This man received his ring from a dying Abin Sur, and followed up a stretch as Green Lantern of Earth by destroying Oa. He has also served as host to Parallax and the Spectre.

ANSWER: Hal **Jordan**

062-09-11-14206

7. For 10 points each, name these rulers of Austria.

[10] This enlightened despot became Holy Roman Emperor in 1765 and acceded to the Austrian throne upon the death of his mother, Maria Theresa, in 1780.

ANSWER: **Joseph II** [prompt on **Joseph**]

[10] This longest-serving Emperor of Austria acceded to the throne in the wake of the 1848 Hungarian Revolution. He created the dual monarchy of Austria-Hungary.

ANSWER: **Franz Josef I** [or **Ferenc Jozsef**; or **Francis Joseph I**]

[10] This man dissolved the Holy Roman Empire in 1806 after losing at Austerlitz; however, he retained his title as Emperor of Austria until his death in 1835.

ANSWER: **Francis I** of Austria [or **Francis II** of the Holy Roman Empire; prompt on **Francis**]

003-09-11-14207

8. Name these world religions, for 10 points each.

[10] Founded by the Bab and Bahá'u'lláh, this religion's governing body is located at the International House of Justice in Haifa, Israel.

ANSWER: **Bahá'í**

[10] This syncretic religion of Vietnam regards Sun Yat-sen and Victor Hugo as saints.

ANSWER: **Cao Dai**

[10] Ahura Mazda is the supreme deity of this religion whose scripture is the Zend Avesta.

ANSWER: **Zoroastrianism**

025-09-11-14208

9. This painting depicts a dwarf and a mastiff next to the Infanta Margarita. For 10 points each:  
[10] Name this depiction of a scene in Philip IV's royal palace that also contains a self-portrait of its artist.  
ANSWER: *Las **Meninas*** [accept *The **Maids of Honor***; or *The **Ladies in Waiting***]  
[10] *Las Meninas* is a composition by this Spanish court painter of Philip IV who also painted *The Surrender at Breda*.  
ANSWER: Diego **Velazquez** [accept Diego Rodríguez de Silva y **Velázquez**]  
[10] This macabre modern Irish painter of *Three Studies for Figures at the Base of a Crucifixion* reinterpreted Velazquez's portraits of Pope Innocent X in works like his *Figure with Meat*.  
ANSWER: Francis **Bacon**

026-09-11-14209

10. This author argued for the romanticist movement in the introduction to his play *Cromwell*. For 10 points each:  
[10] Name this French author who wrote about Jean Valjean and Cosette in *Les Misérables*.  
ANSWER: Victor-Marie **Hugo**  
[10] In this Victor Hugo novel, the title bell ringer Quasimodo falls in love with the gypsy Esmerelda.  
ANSWER: *The **Hunchback of Notre-Dame*** [or ***Notre-Dame de Paris***]  
[10] This Captain of the King's Archers seduces Esmeralda and is stabbed by Archdeacon Frollo.  
ANSWER: Captain **Phoebus** de Chateaupers

015-09-11-14210

11. Its first book is called "Childhood and School-Time," and this long poem describes the spiritual journey of its author. For 10 points each:  
[10] Name this blank verse poem also called *The Recluse*.  
ANSWER: *The **Prelude***; or, *Growth of a Poet's Mind*  
[10] This English Romantic poet of *The Prelude* also wrote "I Wandered Lonely As A Cloud" and "The World is Too Much With Us."  
ANSWER: William **Wordsworth**  
[10] This Wordsworth poem describes a place that he last visited with his sister Dorothy "five years past." It includes depictions of the River Wye and a "green pastoral landscape."  
ANSWER: "Lines Composed a Few Miles Above **Tintern Abbey**"

032-09-11-14211

12. On March 20, 1815, Napoleon returned to Paris after escaping from Elba. For 10 points each:  
[10] Name this brief period of Napoleon's return which ended with a resounding defeat in Belgium.  
ANSWER: The **Hundred Days** [accept equivalents like Napoleon's **Hundred Days**]  
[10] The Hundred Days ended with Napoleon's defeat at this battle, which resulted in Napoleon's permanent exile to the remote island of St. Helena.  
ANSWER: Battle of **Waterloo**  
[10] Earlier, this 1802 treaty had briefly stopped fighting during the Napoleonic Wars. It ended the Second Coalition and was signed after victories for Napoleon at Marengo and Hohenlinden.  
ANSWER: Treaty of **Amiens**

064-09-11-14212

13. It's namesake proposed it in a questions about rabbits. For 10 points each:

[10] Name this sequence, where a given entry is equal to the sum of the last two and the first two entries are both one.

ANSWER: **Fibonacci sequence**

[10] The Fibonacci sequence is linked to this number that is approximately 1.618 which is seen in some classical architecture.

ANSWER: **golden ratio** [or **phi**]

[10] This type of power series using the Fibonacci values as coefficients can be used to find a closed form Fibonacci solution.

ANSWER: **generating function**

001-09-11-14213

14. Answer the following regarding the birth of a hero, for 10 points each.

[10] This woman was locked away in a bronze tower by her father Acrisius (uh-CREE-see-us) to make sure that she never had any children. However, Zeus ruined this plan by arriving in the form of a golden shower.

ANSWER: **Danaë**

[10] This hero was the offspring of Zeus and Danaë (DAN-ay-ee). He saved Andromeda from a sea monster before marrying her.

ANSWER: **Perseus**

[10] Perseus beheaded this Gorgon, out of whom came Pegasus. Looking into her eyes turned anyone into stone.

ANSWER: **Medusa**

023-09-11-14214

15. This nation's capital was moved in 1991 to Abuja. For 10 points each:

[10] Name this nation led by president Umaru Yar'Adua.

ANSWER: Federal Republic of **Nigeria**

[10] Nigeria's capital was once this city, its largest.

ANSWER: **Lagos**

[10] The Hausa and Igbo are two of the most influential ethnic groups in Nigeria. This third group is the origin of religions like Santería, Voudoun, and Candomblé.

ANSWER: **Yoruba**

022-09-11-14215

16. There are five of these points, which are solutions to the restricted three-body problem. For 10 points each:

[10] Name these points, places where a small object can be gravitationally stationary compared to two larger objects.

ANSWER: **Lagrange** points [accept **Lagrangian** points; accept **libration** points; prompt on **L**-points]

[10] At the L<sub>4</sub> and L<sub>5</sub> Lagrange points between Jupiter and the Sun, the Trojans are stationary. The Trojans are this type of astronomical body that also exist in a "belt" between Mars and Jupiter.

ANSWER: **asteroids**

[10] These eponymous "gaps" in the asteroid belt correspond to the orbital resonances of Jupiter.

ANSWER: **Kirkwood** gaps

026-09-11-14216

17. This country saw the rebellion of Hone Heke in the Flagstaff War. For 10 points each:

[10] Name this country explored by Abel Tasman and home to the Maori.

ANSWER: **New Zealand**

[10] In 1840, British representative William Hobson signed this often broken treaty with a group of Maori chieftains.

ANSWER: Treaty of **Waitangi**

[10] New Zealand forces made up a large percentage of the ANZAC forces that were decimated at this 1916 campaign in Turkey.

ANSWER: **Gallipoli** Campaign

015-09-11-14217

18. This man's music for the film *Scott of the Antarctic* was adapted into his *Sinfonia Antarctica*. For 10 points each:

[10] Name this British composer of *On Wenlock Edge*, a work set to the poems of Houseman, as well as *Fantasia on a Theme of Thomas Tallis*.

ANSWER: Ralph **Vaughan Williams**

[10] Vaughan Williams composed a fantasia on this traditional English folk song that was supposedly composed by Henry VIII. This is the tune for the Christmas hymn "What Child Is This?"

ANSWER: "**Greensleeves**"

[10] Vaughan Williams's third symphony was given this name. Another symphony with this nickname was a five movement work in F major depicting a thunderstorm by Beethoven.

ANSWER: **Pastoral** Symphony

030-09-11-14218

19. Throughout this novel, the eyes of Dr. T. J. Eckleburg look out over the "valley of ashes." For 10 points each:

[10] Name this novel, whose title character partners in organized crime with Meyer Wolfsheim in order to have enough money to pursue Daisy Fay.

ANSWER: *The* **Great Gatsby**

[10] This author of *This Side of Paradise* wrote *The Great Gatsby*.

ANSWER: Francis Scott Key **Fitzgerald**

[10] This American author updated the problems of *The Great Gatsby* to the 1980s in his novels *Less Than Zero* and *The Rules of Attraction*.

ANSWER: Bret Easton **Ellis**

004-09-11-14219

20. Substances with this characteristic include water and zinc oxide. For 10 points each:

[10] Name this type of substance that, depending on pH, can act either as an acid or as a base.

ANSWER: **amphoteric**

[10] These solutions, composed of a weak acid and its conjugate base or a weak base and its conjugate acid, resist changes in pH when acid or base is added to them.

ANSWER: **buffer**

[10] This is the term for a substance that is electrically neutral but carries formal charges on different atoms. They are often used in buffers.

ANSWER: **zwitterion**

032-09-11-14220

21. For 10 points each, name these American short stories that end with deaths.

[10] Tessie Hutchinson is communally stoned to death after drawing a piece of paper with a black mark in this story by Shirley Jackson.

ANSWER: "The **Lottery**"

[10] Peyton Farquhar imagines that he escapes a hanging during the Civil War in this story by Ambrose Bierce.

ANSWER: "An **Occurrence at Owl Creek Bridge**"

[10] J. D. Salinger's collection *Nine Stories* begins with this story about the suicide of Seymour Glass.

ANSWER: "A **Perfect Day for Bananafish**"

004-09-11-14221