

1. **The LIBOR (LYE-bor) is a common international standard for these entities. In the United States, these entities come in forms such as the "discount" one. When these are too lax, monetary policy becomes ineffective due to the (*) "liquidity trap." Their value is inversely related to the level of investment. Consumers often deal with values set in relation to the "prime" one. For 10 points, identify this economic quantity which denotes the price of borrowing money.**

ANSWER: interest rates [prompt on rates]

019-09-10-11102

2. **It is the number of stages in Lawrence Kohlberg's theory of moral development, the title number of "Crises" described in a 1962 book by Richard Nixon, the number of French composers in a grouping that includes Darius Milhaud (DAR-ee-oos ME-yoh) and Arthur Honegger, and the number of days in a (*) 1967 war that ended with Israel controlling the Gaza Strip. It is also the third triangular number and smallest perfect number, and appears three times in the Number of the Beast. For 10 points, give this number that equals a half-dozen.**

ANSWER: six

003-09-10-11103

3. **When graphing the results of this method, multiple transition regions can be seen when a chemical worked with is polyprotic (POL-ee-PRO-tick). Those graphs of this method's curves can be used to approximate the (*) equivalence point. Color changing substances such as methyl red and phenolphthalein (FEE-noll-thail-leen) are often used as indicators during this process. For 10 points, name this common chemistry lab technique that uses a substance with a known pH to find the unknown pH or concentration of a solution, and often makes use of a buret (burr-ET).**

ANSWER: acid-base titration

023-09-10-11104

4. **One work of art that exemplifies this movement depicts an airplane firing rockets to destroy an enemy fighter. An artist associated with this movement worked out of a studio called the Silver Factory. The painting (*) *Whaam!* emerged from this movement, and was created with the Ben-Day dot technique by Roy Lichtenstein. This movement also saw the creation of fifty silk-screen images of Marilyn Monroe and a painting of a solitary Campbell's Soup can. For 10 points, name this 1960s artistic movement exemplified by the works of Andy Warhol.**

ANSWER: Pop Art

052-09-10-11105

5. **This system includes a protein whose great variety is guaranteed by V(D)J recombination. That protein is synthesized by cells of this system that have receptors IL-7 and CD19. This system includes mast cells and eosinophils (ee-oh-SIN-uh-filz). Many cells of this system are transported through the (*) lymph. This system's cells include macrophages (MAK-row-fay-jez) and several types of B cells. For 10 points, name this system that contains white blood cells.**

ANSWER: immune system [or equivalents]

022-09-10-11106

6. In Exodus, this event occurred to a large number of people at Gilgal. One variation of this practice involves the extraction of a single drop of blood. In Islam, this event is known as Khitan or tahara, and is typically performed around seven years of age. In Judaism, this practice is performed by a (*) mohel eight days after birth. It was performed on Abraham when he was 99 years old, and is known as a Brit Milah. For 10 points, name this practice that involves cutting off the foreskin of a male.

ANSWER: circumcision [or Brit Milah; or Bris Milah]

064-09-10-11107

7. Before being executed, this man stated, "I did not wrong, but right." J. E. B. Stuart unsuccessfully attempted, under a flag of truce, to get this man to surrender. Two of this insurgent's twenty children were killed during his most famous operation, which was put down by United States Army Colonel (*) Robert E Lee. Earlier, this man executed five members of the Law and Order Party at Pottawatomie Creek. For 10 points, name this radical abolitionist who tried to spark a slave revolt by attacking the armory at Harpers Ferry, Virginia.

ANSWER: John Brown

063-09-10-11108

8. In this work, Mr. Graves supplies a three legged stool. A popular belief amongst the townspeople in this work is that "corn be heavy soon." One character is seen at the beginning of this story guarding a pile. An important object in this work is supplied by the manager of the coal business, Mr. Summers. After names are (*) drawn from a black box, Tessie Hutchinson screams, "It isn't fair," as she realizes her impending doom. For 10 points, name this short story by Shirley Jackson about the annual stoning in a small town.

ANSWER: "The Lottery"

064-09-10-11109

9. The start of this event was signaled via telegram by Heinrich Müller. Three days after this event, the government ordered insurance companies not to pay out claims arising from it. It was a reaction to the assassination of diplomat Ernst vom (*) Rath and was spurred on by a Joseph Goebbels (GUR-bulz) speech. It occurred on November 9 and 10, 1938, and targeted Jewish homes, businesses, and synagogues. For 10 points, the smashing of windows during what event gave rise to its name, meaning "Night of the Broken Glass?"

ANSWER: Kristallnacht (KREE-stahl-knocked) [accept Night of the Broken Glass before it is read]

045-09-10-11110

10. This author wrote a novel in which the pages of a book by Aristotle are poisoned by Jorge (HOR-hay) of Burgos, in a scheme discovered by Adso of Melk and his mentor, William of Baskerville. Another novel by this author has the narrator study a manuscript by Colonel Ardeni which claims that the (*) Knights Templar will take over the world in 1944. That novel by him sees Belbo, a friend of Casaubon, hanged from the titular device in the Musée des Arts et Métiers (myoos-AY days arts ay MAY-tee-ay). For 10 points, name this Italian author of *The Name of the Rose* and *Foucault's Pendulum*.

ANSWER: Umberto Eco

058-09-10-11111

11. This composer parodied Richard Wagner's (REE-card VOG-nerz) *Tristan and Isolde* (eye-SOLE-duh) in his *Children's Corner Suite*. "The Play of the Waves" is a movement in one of his works. He composed a solo piano work entitled (*) *Suite Bergamesque* (bur-guh-MESK). Stephane Mallarmé inspired this man's *Prelude to the Afternoon of a Faun*. He composed *La Mer* (MARE) and "Clair De Lune." For 10 points, name this French Impressionist composer.

ANSWER: Achille-Claude Debussy

062-09-10-11112

12. **This event titles an Emmett Fox book about "The Key to Success in Life." During this event, Jesus claims that marrying a divorced woman is equivalent to adultery, and condemns the ostentatious display of good works. Although Luke places it in a different context, (*) Matthew claims that Jesus first taught The Lord's Prayer during this event. This event begins with a list of eight groups of "blessed" people in the Beatitudes. For 10 points, name this event depicted in Matthew chapters 5 through 7, in which Jesus preaches from a mountaintop.**

ANSWER: Sermon on the Mount [prompt on Matthew 5-7 before read; do not accept "Sermon on the Plain"]

003-09-10-11113

13. **In this opera, Detective Archdale searches for the male lead, who woos Crown's lover. The female lead in this opera is beaten on Kittiwah Island by Sportin' Life, who sings "It (*) Ain't Necessarily So." One of the title characters in this opera uses cocaine, and the other is crippled. This opera's libretto is by DuBose Heyward. It includes an aria about "when the livin' is easy" entitled "Summertime." For 10 points, name this opera focusing on two Catfish Row residents by George Gershwin.**

ANSWER: Porgy and Bess

060-09-10-11114

14. **This poet, at age four, supposedly had a vision where God "put his head to the window." While working as an engraver, this writer developed his own mythological system centered on the deity Urizen (oo-RYE-zen). This author repeatedly asked "who (*) made thee?" in one poem. Another poem by this man is about a creature "burning bright, in the forest of the night" and asks, "What immortal hand or eye could frame thy fearful symmetry?" For 10 points, name this poet whose *Songs of Innocence and of Experience* contains both "The Lamb" and "The Tyger."**

ANSWER: William Blake

045-09-10-11115

15. **Followers of this politician often use the tactic of "entryism." This man founded the Fourth International, which opposed the concept of "socialism in one country." This Russian negotiator at the Treaty of Brest-Litovsk was the leader of the (*) Red Army during the Russian Civil War. He was ultimately assassinated by Ramón Mercader with an ice-axe. For 10 points, name this Communist who, after losing a power struggle with Stalin in 1928, was expelled from the Party and forced to flee to Mexico.**

ANSWER: Leon Trotsky [or Lev Davidovich Bronstein]

045-09-10-11116

16. **This river contains the Priest Rapids Dam as well as an important Native American fishing site at Kettle Falls. During World War Two, the Manhattan Project conducted nuclear research at Hanford, a site on this river. Lewis and Clark passed by this river in what is now Tri-Cities. It also the site of Franklin Delano Roosevelt Lake, a lake (*) made from the creation of the Grand Coulee Dam. Its largest tributary is the Snake River and Portland lies on both the Willamette and this river. For 10 points, name this long river that flows through Oregon and Washington.**

ANSWER: Columbia River

064-09-10-11117

17. **One family created by this author has Adelaïde Fouque as progenitor; that family includes, distantly, Jacques Lantier, an engine driver who is the title "human beast" of one of his novels. This author described his aim as "naturalist," to contrast with Balzac, in constructing a twenty-novel cycle about the title family, *Les (*) Rougon-MacQuart* (lay rou-ZHOHN muh-CAR). For 10 points, name this author who published a letter condemning the French government for the Dreyfus affair titled "J'accuse."**

ANSWER: Emile Zola

022-09-10-11118

18. **The prime candidate to harness this process as an energy source is a torus-shaped machine, the tokamak (TOE-kuh-mak), which will hopefully allow deuterium (doo-TARE-ee-um) and tritium to overcome the Coulomb barrier. This process requires the particles involved to overcome electric (*) repulsion, which demands extremely high temperatures. The proton-proton variety of this process occurs in stars, and the "cold" type is largely seen as spurious. For 10 points, name this process in which atoms combine to form a heavier element.**

ANSWER: nuclear **fusion**

063-09-10-11119

19. **Leaders of this party included Kentucky governor James Greene Hardy and gangster William Pool. This party arose from organizations including Charles Allen's Order of the Star Spangled Banner. This party ran Andrew Jackson Donnelson along with (*) Millard Fillmore in the election of 1856. It drew nativist support for its anti-Catholic and anti-immigration views. For 10 points, name this political party which took its name from the response members were supposed to give when asked for information.**

ANSWER: **Know-Nothing** Party [or the **Know-Nothings**; or the **American** Party]

015-09-10-11120

20. **This chemist's namesake cell consists of a zinc anode in sulfuric acid and a carbon cathode in nitric or chromic acid. With Henry Roscoe, he studied the formation of hydrogen chloride and the use of electrolysis to isolate pure metals. With Gustav (*) Kirchhoff, he analyzed the emission spectra of heated elements, leading to the discovery of cesium and rubidium. For those projects, he worked with Peter Desaga (deh-SAH-guh) to develop a laboratory device for heating samples. For 10 points, name this German chemist, who lends his name to a gas burner.**

ANSWER: Robert **Bunsen**

040-09-10-11121

21. **This empire's capital moved from Niani to Kangaba after the reign of Mahmud III. It developed after a victory at the battle of Kirina over Sumanguru by this empire's founder, (*) Sundiata Keita. Another ruler of this kingdom was so rich that his gold-strewn pilgrimage to Mecca caused prices to shoot up in Cairo. For 10 points, name this West African kingdom, once ruled by Mansa Musa from the city of Timbuktu.**

ANSWER: Kingdom of **Mali** [or the **Mali** Empire; or the **Manding** Empire; or **Manden Kurafa**]

022-09-10-11122

1. One theater of this war saw Stephen Kearny take Santa Fe. For 10 points each:

[10] Name this war in which included a landing at Veracruz and established a border at the Rio Grande with the treaty of Guadeloupe-Hidalgo.

ANSWER: Mexican-American War

[10] This American general won battles like Monterrey before being replaced by Scott and replacing Polk as president.

ANSWER: Zachary Taylor

[10] Despite relinquishing most of his troops to Scott, Taylor won his reputation with this 1847 victory over Santa Ana's much larger force on the strength of Braxton Bragg's artillery.

ANSWER: Battle of Buena Vista

015-09-10-11201

2. He collaborated with Fletcher Henderson to make his band's charts, and his band included Jess Stacy, who performed a piano solo in "Sing, Sing, Sing." For 10 points each:

[10] Name this clarinetist and bandleader who had the first multi-racial jazz band. He is called the "King of Swing."

ANSWER: Benny Goodman [or Benjamin David Goodman]

[10] Benny Goodman's trio and quartet both included this drummer. He left to form his own band with singer Anita O'Day, and was considered to be the most popular drummer of his era.

ANSWER: Gene Krupa [or Eugene Bertram Krupa]

[10] This bandleader was a guest artist at a Benny Goodman Carnegie Hall concert. His band first performed "Take the 'A' Train" and he wrote "Don't Mean a Thing (If It Ain't Got That Swing)."

ANSWER: Duke Ellington [or Edward Kennedy Ellington]

027-09-10-11202

3. This character is tasked with hunting Collectors after being resurrected by the Cerberus organization. For 10 points each:

[10] Name this character earns Paragon and Renegade points while battling Sovereign and killing a bunch of Reapers.

ANSWER: Commander Shepard

[10] Commander Shepard is the protagonist of this BioWare game series in which he teams up with alien species like the Turians and Salarians.

ANSWER: Mass Effect

[10] BioWare is a subsidiary of this video games distributor, which has produced such series as *Need for Speed* and *Medal of Honor*, and has a sports division responsible for titles like *Madden* and *NBA Live*.

ANSWER: EA [or Electronic Arts; or EA Games; or EA Sports]

015-09-10-11203

4. Odin once placed one of his eyes in it, and he drinks from it each morning. For 10 points each, [10] Name this water source named after a sage who was beheaded during the war between the Aesir and the Vanir.

ANSWER: **Mimir's Well** [or **Mimisbrunnr**; or other equivalent]

[10] In the *Eddas*, Mimir's Well is located beneath one of the roots of this giant ash tree, the world-tree from Norse myth.

ANSWER: **Yggdrasil**

[10] Some stories claim that this watchman of the Aesir and guardian of Bifrost leaves his horn and possibly even his ear in Mimir's Well.

ANSWER: **Heimdall**

040-09-10-11204

5. Equatorial Guinean is the only African country in which this is an official language. For 10 points each:

[10] Name this language which is spoken in Costa Rica, El Salvador, and Guatemala.

ANSWER: **Spanish**

[10] Italic languages like Spanish are grouped along with Germanic, Celtic, Hellenic, and other languages in this massive language family.

ANSWER: **Indo-European**

[10] This isolate language which has a pidgin with Icelandic is known as Euskara to native speakers has puzzled linguists with its differences from Indo-European languages.

ANSWER: **Basque**

015-09-10-11205

6. One half of this law's equality states is the sum of squares of two sides minus two times the product of those two sides times the namesake function of the opposite angle. For 10 points each:

[10] Name this law from trigonometry in which the above is equal to the square of the side of a triangle.

ANSWER: law of **cosines**

[10] This is the value of sine squared theta plus cosine squared theta.

ANSWER: **one**

[10] This trigonometric function is equal to one minus cosine theta.

ANSWER: **versine**

001-09-10-11206

7. The "tenderfoot" protagonist of this story eventually realizes that he has fallen into a frozen-over spring, just as the old man at Sulphur Creek had warned. For 10 points each:

[10] Name this short story, in which the seventy-five-degree-below zero temperatures of the Yukon cause a man to die of frostbite, though his wolf-dog survives.

ANSWER: **"To Build a Fire"**

[10] This author of *The Acorn-Planter* wrote "To Build a Fire," which, like *The Sea-Wolf*, *White Fang*, and *The Call of the Wild*, is one of his adventure stories.

ANSWER: Jack John Griffith **London**

[10] In *The Call of the Wild*, this St. Bernard-Scotch shepherd mix is taken from Judge Miller's house and utters the title cry over John Thornton's body each year.

ANSWER: **Buck**

019-09-10-11207

8. Myosin moves along these structures. For 10 points each:

[10] Name these fibers in the cell composed of actin, which are thinner than intermediate filaments.

ANSWER: **microfilaments** [or **actin filaments**]

[10] Lengthening and shortening of microfilaments provides locomotion for these "false feet" of amoebas.

ANSWER: **pseudopodia** [or **pseudopods**]

[10] Actin filaments are made of actin monomers denoted by this letter, which when followed by a 1 or 2 can denote a phase in the cell cycle before or after DNA replication.

ANSWER: **G**

001-09-10-11208

9. The title character rejects Chester's offer to work in guano farming and marries Jewel after settling on the island of Patusan. For 10 points each:

[10] Name this novel, in which a British first mate tries to redeem himself for abandoning the sinking *Patna*.

ANSWER: **Lord Jim**

[10] Like *Typhoon*, *Lord Jim* is one of many seafaring novels by this Polish-born British author of *Heart of Darkness*.

ANSWER: Joseph **Conrad** [or Józef Teodor Konrad Nalecz **Korzeniowski**]

[10] Conrad collaborated on *The Nature of a Crime*, *Romance*, and *The Inheritors* with this author, whose own works include *Parade's End* and *The Good Soldier*.

ANSWER: Ford Maddox **Ford** [or Ford Maddox **Hueffer**]

019-09-10-11209

10. This man served four distinct terms as prime minister of the United Kingdom during the latter half of the nineteenth century. For 10 points each:

[10] Name this Liberal party member who was the rival of the Conservative party's Benjamin Disraeli.

ANSWER: William Ewert **Gladstone**

[10] Gladstone supported a bill for the home rule of this nation, which later was the location of the Easter Uprising.

ANSWER: **Ireland** [or **Eire**]

[10] Gladstone was earlier part of the cabinet of this prime minister who repealed the Corn Laws and started the Metropolitan Police in London.

ANSWER: Robert **Peel**

023-09-10-11210

11. This composer produced a choral setting of Cardinal Newman's poem *The Dream of Gerontius*. For 10 points each:

[10] Name this English composer who produced a series of *Pomp and Circumstance* marches, the first of which is used at graduation ceremonies.

ANSWER: Edward **Elgar**

[10] Elgar produced this set of a theme and variations from 1898 to 1899. The variations refer to some of Elgar's friends and have such names as "Nimrod" and "Dorabella."

ANSWER: **Enigma** Variations

[10] Elgar died in 1934, the same year as this other English composer. This man wrote the *St. Paul's Suite* and a famous orchestral suite featuring seven movements like "Bringer of Peace."

ANSWER: Gustav **Holst**

052-09-10-11211

12. Most of the information and stories of it come from the Kojiki (ko-jee-key) and Nihonshoki (knee-hon-show-key), For 10 points each:

[10] Name this animistic folk religion from Japan that believes in the existence of natural spirits known as kami (kaa-mee).

ANSWER: **Shinto**

[10] This goddess of Shintoism flew into a fit of rage after her brother threw a flayed horse into her weaving hall, causing her to hide in a cave, thus depriving the world of light.

ANSWER: **Amaterasu**-omikami [or **Ohiru-menomuchi**-no-kami]

[10] Amaterasu is the Shinto goddess of this celestial object, which scorched the Earth when it was pulled in a chariot by Phaeton in Greek myth.

ANSWER: the **sun** [accept equivalents]

002-09-10-11212

13. Name some wine-making regions of the United States, for 10 points each.

[10] This chain of long, thin lakes includes Seneca Lake and Cayuga Lake, and the area surrounding it is the largest wine-making region in New York.

ANSWER: **Finger** Lakes

[10] This California valley, known for its Cabernet Sauvignon, is located north of the Bay Area and was made famous by the winemaker Robert Mondavi.

ANSWER: **Napa** Valley

[10] As its name suggests, this island off of Cape Cod, along with the neighboring Chappaquiddick [chap-a-QUID-ick] Island, is a popular wine-producing area.

ANSWER: **Martha's Vineyard**

024-09-10-11213

14. For 10 points each, name these devices found in the chemistry lab.

[10] Droppers are the Pasteur type of these devices that measure, extract, and move small amounts of liquid. One is advised not to fill them by mouth.

ANSWER: **pipette**

[10] This type of glassware with a narrow neck comes in Erlenmeyer and Florence variants.

ANSWER: **flask**

[10] This device deluges an individual with water after a triangular-shaped ring is pulled. It is used to remove contaminants from skin and clothes and is often paired with an eye wash.

ANSWER: **safety shower** [or **emergency shower**; prompt on **shower**]

001-09-10-11214

15. This author wrote about the author of *Jerusalem Delivered* in his play *Torquato Tasso*. For 10 points each:

[10] Name this German author who wrote about the tragic lover of Lotte in *The Sorrows of Young Wether*.

ANSWER: Johann Wolfgang von **Goethe**

[10] The title character of this Goethe work has an assistant named Wagner and sells his soul to Mephistopheles.

ANSWER: **Faust**

[10] Faust seduces and impregnates this lover of his before killing her brother Valentin in a duel.

ANSWER: **Gretchen** [or **Margaret**]

015-09-10-11215

16. This type of radioactive decay creates leptons that are emitted during the conversion of one form of nucleon into another. For 10 points each:

[10] Name this type of radioactive decay that is more energetic than alpha decay.

ANSWER: **beta** decay

[10] Beta-plus decay converts a proton into a neutron and emits one of these particles, which is similar to an electron but has opposite charge.

ANSWER: **positron**

[10] This process competes with positron emission. In this process, a nucleus absorbs an electron and emits a positron, similarly converting a proton to a neutron.

ANSWER: **electron capture** [or **K-capture**]

003-09-10-11216

17. This painting was created by the artist using very small dots of paint to create a larger image. For 10 points each:

[10] Name this pointillist painting, which shows Parisians relaxing on the weekend. A woman in this work holds a monkey's leash, which is next to a running brown dog.

ANSWER: ***Sunday Afternoon on the Island of La Grande Jatte***

[10] This painter used pointillism in his works *The Bathers at Asnieres* and *Sunday Afternoon on the Island of La Grande Jatte*.

ANSWER: Georges **Seurat**

[10] Another proponent of pointillism, Paul Signac (SIN-yock), painted a waterway in this city, the landscapes of which were also painted by Canaletto.

ANSWER: **Venice**, Italy [or **Venezia**]

027-09-10-11217

18. Name these British social movements, for 10 points each.

[10] William Lovett drafted the namesake document of this group, which demanded the loosening of various ballot restrictions in the "six points."

ANSWER: **Chartists** [or **Chartism**]

[10] The Earl of Liverpool used mass hangings at York in an attempt to suppress this movement, which smashed textile machinery in the name of the legendary King Ned. Their name now refers to any opponents of progress.

ANSWER: **Luddites**

[10] A Roman general who won through delaying tactics was the namesake of this group of socialists, which included Thomas Davidson, Beatrice and Sidney Webb, and George Bernard Shaw.

ANSWER: **Fabians** [or **Fabian Society**]

019-09-10-11218

19. One of this author's novels ends with Mr. Todd imprisoning Tony Last in a South American jungle. For 10 points each:

[10] Name this English satirist of *A Handful of Dust* and *Brideshead Revisited*.

ANSWER: Evelyn **Waugh**

[10] In *Put Out More Flags*, Waugh satirized this poet's relationship with Christopher Isherwood. This poet of "Funeral Blues" responded to the Nazi invasion of Poland in his poem "September 1, 1939."

ANSWER: Wystan Hugh **Auden**

[10] Waugh's satire *Decline and Fall* took its title from Edward Gibbon's history of the decline and fall of this ancient empire.

ANSWER: the **Roman** Empire

063-09-10-11219

20. Brokered by Henry Clay, it enabled the admittance of its namesake to the Union as a slave state. For 10 points each:

[10]Name this 1820 Congressional action.

ANSWER: **Missouri Compromise**

[10]The Missouri Compromise forbade slavery in the rest of the Louisiana Purchase north of this line of latitude, which forms most of the southern border of Missouri.

ANSWER: **36 degrees, 30 minutes** North latitude [do not accept or prompt on partial answers]

[10]In order to preserve the balance between slave and free states, this state was admitted along with Missouri as part of the compromise.

ANSWER: **Maine**

062-09-10-11220

21. These objects are separated into accumulation areas and ablation areas. For 10 points each:

[10] Name these masses of ice that come in cirque and alpine forms.

ANSWER: **glaciers**

[10] These accumulations of glacial till formed into mounds or ridges are created by the movement of glaciers.

ANSWER: **moraines**

[10] Depressions caused by glaciers can result in these lakes when the holes are filled with water.

ANSWER: **kettle** lakes

023-09-10-11221