



1. **This building is currently part of a historic site with the nearby Petersen House. Major Henry Rathbone was stabbed in this building by a knife-wielding assailant. Audience members laughed in this building after a line about a "sockdologizing old man-trap" was delivered. During a performance of the comedy (\*) *Our American Cousin* in this building, a man shouted "Sic semper tyrannis!" after jumping onto the stage. For 10 points, name this theater in Washington D.C. where John Wilkes Booth assassinated Abraham Lincoln.**

ANSWER: Ford's Theatre

052-14-102-12101

BONUS: Which smallest Galilean moon contains a surface of frozen water and could theoretically contain life in a liquid ocean hidden underneath?

ANSWER: Europa

239-14-102-1210-11

2. **In October 2013, it was announced that this gaming console, running on the Orbis operating system, would cost nearly two thousand dollars in Brazil. Exclusive launch titles for this console included one in which collecting relics unlocks different versions of the title character named Knack, as well as the first person shooter (\*) *Killzone: Shadow Fall*. The DualShock controller for this console comes with a "share" button for uploading videos or screenshots. For 10 points, name this gaming console released in 2013 that is produced by Sony and is a rival of the Wii U and the Xbox One.**

ANSWER: Playstation 4 [or PS4; do not accept or prompt on "Playstation"]

023-14-102-12102

BONUS: What three peaked mountain in Tanzania is the highest mountain in Africa?

ANSWER: Mount Kilimanjaro

015-14-102-1210-11

3. **This man was going to be succeeded by Abe Fortas in 1968 until Congress threatened a filibuster. In his highest post, this man replaced Fred Vinson, and he was previously Governor of California when he was Thomas Dewey's 1948 running mate. His appointment to the Supreme Court was legendarily labeled "the biggest fool mistake I ever made" by (\*) Dwight Eisenhower, who found him too liberal. For 10 points, name this Chief Justice of the Supreme Court during the Court's decisions in *Miranda v. Arizona* and *Brown v. Board of Education*.**

ANSWER: Earl Warren

052-14-102-12103

]10] What artist painted his birthplace from across a river with fishing boats in his *View of Delft*?

ANSWER: Johannes Vermeer [or Jan Vermeer; or Johan Vermeer]

088-14-102-1210-11

4. **This region was the subject of a Marjory Stoneman Douglas book which referred to it as the "river of grass," and it contains the almost entirely uninhabited Ten Thousand Islands. The Tamiami Trail, eventually known as "Calle (KAI-yay) Ocho," runs through it. Over twelve hundred invasive (\*)** Burmese pythons have been removed from this region since 2009. Napoleon Bonaparte Broward proposed draining it. This region is fed by the Kissimmee River, which empties directly into Lake Okeechobee. For 10 points, name this large tropical wetlands region in southern Florida.

ANSWER: Everglades

052-14-102-12104

BONUS: What Indian novelist earned a *fatwa* from Ayatollah Khomeini for writing *The Satanic Verses*?

ANSWER: Salman Rushdie

014-14-102-1210-11

5. **A difference of opinion exists between using "qabd" (KAH-bid) or "sabl" (SAH-dil) positioning during one portion of this action. This action is immediately preceded by an optional "iqama" (EE-kah-mah), and one ends it by performing "tasleem" on at least one side of the body. Examples of this action include "fajr" (FAH-jur), which is performed after (\*) "suhor" and before sunrise during Ramadan. Each "rak'ah" of this action begins with a declaration of "Allahu Akbar." This action is the second pillar of Islam. For 10 points, identify this action which is performed five times a day by Muslims.**

ANSWER: daily prayer [or word forms; or salaah; or salaat; or dhuhr until "fajr" is read; or asr until "fajr" is read; or maghrib until "fajr" is read; or isha until "fajr" is read; or fajr until it is read]

189-14-102-12105

BONUS: What pop star released the 2013 singles "Wrecking Ball" and "We Can't Stop"?

ANSWER: Miley Cyrus

015-14-102-1210-11

6. **A woman in this play listens to a recording of the Varsouviana that always ends with a gunshot, reminding her of the suicide of her closeted gay husband, Allan Grey. This play is set in the Elysian Fields, where a woman recently arrived from Laurel enters into a relationship with (\*) Mitch. In this play, a Southern aristocrat who has lost her plantation, Belle Reve, is disgusted to find her sister Stella married to a "brute." For 10 points, name this Tennessee Williams play about Blanche DuBois's conflicts with Stanley Kowalski.**

ANSWER: A Streetcar Named Desire

080-14-102-12106

BONUS: What theorem states that for any integer n greater than 2, no three integers can satisfy the equation  $a^n + b^n = c^n$ ?

ANSWER: Fermat's last theorem

014-14-102-1210-11

7. **Fifty-one stories of this type were written by John Gay for the future Duke of Cumberland. More than seven hundred stories of this type were collected into a book by Ben Edwin Perry. Twelve books filled with this kind of story were written by Jean (\*) de La Fontaine. These stories are generally followed by a maxim, and their use of anthropomorphism differentiates them from parables. For 10 points, name this type of story, exemplified by the mouse saving a trapped lion and the hare losing a race to a tortoise, as told by Aesop.**

ANSWER: fables

023-14-102-12107

BONUS: Constantine converted to Christianity after having a vision of a cross before winning what battle?

ANSWER: Battle of the Milvian Bridge [or Pons Milvius]

014-14-102-1210-11

8. This artist painted the interior of a building with a green roof and red walls, inside which a waiter stands next to a billiards table. The time this artist spent in Arles led to paintings such as *The Yellow House*. This artist painted a landscape dominated by large (\*) swirls in the center and a cypress tree on the left, both overlooking Saint-Remy. This artist of *The Night Cafe* depicted himself with a bandaged ear in his late self-portraits. For 10 points, name this post-Impressionist artist of *Starry Night*.

ANSWER: Vincent van Gogh

140-14-102-12108

BONUS: Scratchy Wilson changes plans after seeing Jack Potter with his wife in "The Bride Comes to Yellow Sky," a short story by what author of "The Open Boat?"

ANSWER: Stephen Crane

189-14-102-1210-11



**SET A:**

1. BONUS: What British folk rock band included the songs "The Cave" and "Roll Away Your Stone" on their album *Sigh No More*?

ANSWER: **Mumford & Sons**

015-14-102-1210-12

2. BONUS: What relativistic factor equals one over the square root of quantity one minus the ratio of velocity-squared and speed of light-squared?

ANSWER: **Lorentz** factor

233-14-102-1210-12

3. BONUS: What Shakespeare character's first soliloquy begins, "Oh, that this too, too solid flesh would melt, thaw, and resolve itself into a dew"?

ANSWER: **Hamlet**

014-14-102-1210-12

4. BONUS: This is a calculation question. An ordered data set consists of the numbers 3, 8, 15, 20, 21, 35. What is the interquartile range of the data?

ANSWER: **13**

190-14-102-1210-12

**SET B:**

1. BONUS: Oedipus unwittingly killed what father of his at a crossroads?

ANSWER: **Laius**

014-14-102-1210-12

2. BONUS: What Arthur Miller play depicts John Proctor's moral quandaries during the Salem Witch Trials?

ANSWER: *The Crucible*

014-14-102-1210-12

3. BONUS: What phenomenon, a consequence of Le Chatlier's principle, occurs when NaCl (read out letters) is added to a solution of PbCl<sub>2</sub> (read out letters/numbers), causing the PbCl<sub>2</sub> to precipitate?

ANSWER: **common ion** effect [or **CIE**]

048-14-102-1210-12

4. BONUS: This is a 30-second calculation question. Two adjacent angles in a parallelogram have measures "x + 20" degrees and "4x - 40" degrees. What is the measure of the larger angle?

ANSWER: **120** degrees

190-14-102-1210-12



9. As this character dies, he says farewell to his servant Strato before telling a dead man that "I killed not thee with half so good a will." During a funeral oration, another character continually, if sarcastically, says that this person is an "honorable man." After this man's wife (\*) Portia kills herself, he sees a ghost telling him "thou shalt see me at Philippi." He is proclaimed "the noblest Roman of them all" by Mark Antony. For 10 points, name this man who conspires with Cassius to assassinate the title character in *Julius Caesar*.

ANSWER: Marcus Junius **Brutus**

052-14-102-12109

BONUS: What element with atomic number 5 is used to absorb neutrons in nuclear reactors?

ANSWER: **boron**

014-14-102-1210-11

10. One of this author's novels ends when Dallas, the protagonist's son, goes alone to visit his father's lover in Paris. Another character created by this author is disgusted to learn from Simon Rosedale that Bertha Dorset and Lawrence Selden carried on an affair, and eventually (\*) overdoses on chloral. This author wrote a book about a crippled inhabitant of Starkfield, Massachusetts who suicidally sledged into a tree. For 10 points, name this author of *The Age of Innocence* and *Ethan Frome*.

ANSWER: Edith **Wharton**

190-14-102-12110

BONUS: In what year did William the Conqueror defeat Harold Godwinson at the Battle of Hastings to begin the Norman conquest of England?

ANSWER: **1066**

014-14-102-1210-11

11. A conflict among these people started when four girls fought over who was the true wife of William Brind. In less than a week, James Busby and William Hobson wrote a treaty signed by these people agreeing to British sovereignty. These people were decimated when an influx of firearms sparked the (\*) Musket Wars. In another conflict among these people, Pikauterangi (PEEK-ow-teh-RON-gee) was defeated at the battle of Hingakaka (HING-guh-KAH-kah). For 10 points, name these signers of the Treaty of Waitangi (why-TONG-ghee), the indigenous population of New Zealand.

ANSWER: **Maori**

239-14-102-12111

BONUS: Datis (DAY-tiss) and Artaphernes (ar-uh-FER-neeZ) were defeated by Miltiades (mil-TIE-uh-deez) at what 490 BCE battle?

ANSWER: Battle of **Marathon**

014-14-102-1210-11

12. **De-nitri-fication is an example of one of these reactions, which transforms nitrate into nitrogen gas. In biology, the transformation of NAD+ into NADH is one of these reactions. During electroplating, metal cations (CAT-eye-onz) undergo this type of reaction. The species which undergoes this reaction will have a greater standard (\*) electrode potential in a galvanic cell, will be located at the cathode, and will have an algebraic decrease in its oxidation state. For 10 points, name these reactions in which a species gains electrons, often contrasted with oxidations.**

ANSWER: **reductions** [prompt on **redox** reactions; prompt on **oxidation-reductions**; prompt on **reduction-oxidations**; do not accept or prompt on "oxidations"]

190-14-102-12112

BONUS: This is a calculation question. Between which two values of  $y$  is the graph of “ $y$  equals four times cosine of  $x$ , minus 5” bounded?

ANSWER: **-9 and -1** [or **-1 and -9**]

190-14-102-1210-11

13. **Structures created by this phenomenon are known as ventifacts. A type of transport via this phenomenon is known as saltation. This phenomenon is the primary driving force behind surface ocean currents. The Beaufort scale is used to classify this phenomenon based on observed sea conditions. This phenomenon is responsible for creating (\*) aeolian landforms, such as dunes and sand-blasted rocks. For 10 points, name this phenomenon that results from the uneven heating of Earth's surface**

ANSWER: **wind**

066-14-102-12113

BONUS: What man, who held power in the Soviet Union from 1985 to 1991, instituted the reform programs of "perestroika" (peh-ress-TROY-kuh) and "glasnost" (GLAZ-nahst)?

ANSWER: Mikhail **Gorbachev**

015-14-102-1210-11

14. **Several members of this party were implicated in scandals during the "Back to Basics" campaign. A leader of this political party was in power during Black Wednesday, when this party's country was kicked out of the Exchange Rate Mechanism. Michael Heseltine challenged another member of this party for leadership, eight years after that member of this party ordered an intervention in the (\*) Falkland Islands. For 10 points, name this British political party headed at different times by David Cameron and Margaret Thatcher, which opposes the Lib Dems and Labour.**

ANSWER: **Conservative** party [or **Tories**]

048-14-102-12114

BONUS: Plato and Aristotle walk down a staircase, surrounded by other intellectuals, in what painter's *The School of Athens*?

ANSWER: **Raphael** [or **Raffaello** Sanzio de Urbino; or **Santi**]

190-14-102-1210-11

15. **Andrew Kitzenberg posted videos and tweets documenting the aftermath of this event. This event was blamed on Sunil Tripathi after a faulty investigation by Reddit. Three days after this event, Sean Collier was killed on the MIT campus. *Rolling Stone* was criticized for putting a (\*) perpetrator of this event on its August 2013 cover. For 10 points, name this event carried out on April 15, 2013, by the Tsarnaev brothers, in which they set off two explosives near the finish line of a race.**

ANSWER: **Boston Marathon bombings** [or obvious equivalent phrasings]

023-14-102-12115

BONUS: John Sirica rejected whose claims of executive privilege regarding his audio system?

ANSWER: Richard Milhous Nixon

019-14-102-1210-11

16. A type of protein secondary structure denoted by this letter requires four amino acids, one of which must be a proline residue. This letter denotes the ratio of an object's speed to the speed of light. The carnitine shuttle is used to prime the breakdown of fatty acids in this type of (\*) oxidation. This letter and lactam denote the class of antibiotics including penicillin. The breakdown of a particle resulting in emission of either an electron or positron is this type of radioactive decay. For 10 points, name this Greek letter that denotes radiation intermediate in strength between alpha and gamma.

ANSWER: beta

245-14-102-12116

BONUS: Amanda, a Southern belle, persuades her daughter to accept a visit by Jim O'Connor, but during the visit, Jim breaks a unicorn figurine, in what play?

ANSWER: *The Glass Menagerie*

190-14-102-1210-11



17. Picrotoxin and bicuculline (BUY-cook-YOU-lean) antagonize this compound's receptors. An agonist of this compound produced by the *Amanita* mushroom is called muscimol (MUSK-im-all). This compound is synthesized by decarboxylation of (\*) glutamic acid using a Vitamin B6 cofactor. This neurotransmitter's receptors are divided into A & B types and are the target of benzo-diaz-epines. It has a role similar to that of glycine. For 10 points, name this chief inhibitory neurotransmitter, which has a four letter acronym.

ANSWER: GABA [or gamma-amino butyric acid]

245-14-102-12117

BONUS: In 2013, Barack Obama nominated Janet Yellen to replace what departing Chairman of the Federal Reserve?

ANSWER: Ben Bernanke

015-14-102-1210-11