



1. During his Eastern Journey, this man survived an assassination attempt in the Otsu Incident. This man secretly supported a wave of pogroms in his country, and in his diary this man declared the "Bloody Sunday" massacre to be a "Bad Day!" This monarch refused to accept defeat in a (\*) 1905 war with Japan until his Baltic fleet was annihilated after going around the world. For 10 points, name this final czar of the Romanov dynasty who was executed with his family in 1917.

ANSWER: Nicholas II Romanov [prompt on Nicholas]

002-14-101-12101

BONUS: In what lab technique does an electric potential force DNA through a gel?

ANSWER: gel electrophoresis

190-14-101-1210-11

2. A peak in this mountain range is Going-to-the-Sun Mountain. Despite its name, the amusingly named "Mount Massive" is only the second highest peak in this range. Katharine Lee Bates wrote the poem "America the Beautiful" after ascending a peak in this range. Its highest peak is Mount (\*) Elbert, and it contains such national parks as Banff and Grand Teton. For 10 points, name this mountain range which includes Pike's Peak and other Colorado mountains.

ANSWER: Rocky Mountains [or the Rockies; or Lewis Range until it is read]

052-14-101-12102

BONUS: This is a 20-second calculation question. If  $\sec x$  equals  $5/3$ , what is the absolute value of cosecant  $x$ ?

ANSWER: 5/4

003-14-101-1210-11

3. During this conflict, the Ferdinand II defeated the "Winter King" Frederick V at the Battle of White Mountain. Some of this war's conflicts were resolved by the Treaty of Lubeck. The Catholic League was defeated at the Battle of Breitenfeld in this war by (\*) Gustavus Adolphus, whose forces defeated Wallenstein. The Bohemian Revolt occurred at the beginning of this war. For 10 points, name this war ended by the peace of Westphalia that lasted from 1618 to 1648.

ANSWER: Thirty Years' War

105-14-101-12103

BONUS: The failure of the levees of what lake/tidal lagoon near New Orleans caused devastation during Hurricane Katrina?

ANSWER: Lake Pontchartrain

030-14-101-1210-11

4. An alanine for valine point mutation in a copper/zinc superoxide dismutase called SOD1 has been implicated in causing this disease. The only FDA-approved drug to treat this condition is Riluzole. About a quarter of cases of this disease are classified as bulbar onset, while the rest involve limb onset, usually presenting as numbness in (\*) arms and legs. Both upper and lower motor neurons are destroyed in this disease. For 10 points, name this degenerative motor disorder also known as amyotrophic lateral sclerosis, though it's usually named for a baseball player.

ANSWER: Lou Gehrig's disease [or amyotrophic lateral sclerosis or ALS before it is read; or motor neuron disease or MND]

190-14-101-12104

BONUS: Name the national monument in South Dakota that was built by Gutzon Borglum.

ANSWER: Mount Rushmore

023-14-101-1210-11

5. The creator of this show wrote a screenplay called *Prognosis Negative*, which was referenced several times on this show. The protagonist of this show earns renown as a bootlegger after taping the movie *Death Blow*. One character on this show hopes to see the comedy *Sack Lunch* due to her extreme dislike of *The English Patient* and is fired by (\*) J. Peterman. For 10 points, these fictional movies appear in what sitcom whose characters include George, Elaine, Kramer, and Jerry?

ANSWER: Seinfeld

030-14-101-12105

BONUS: Name the computer hardware invented by Douglas Engelbart, which he originally called an "X-Y Position Indicator for a Display System."

ANSWER: mouse

023-14-101-1210-11

6. The investment firm 3G Capital, run by two brothers from this country, masterminded an insider trading deal to expedite Berkshire Hathaway's buyout of Heinz Co. In this country, the Pacifying Police Units oppose rioting. Recent social unrest in this country has been sparked by the decision to eradicate several of this country's (\*) favela shantytowns to build stadiums. For 10 points, name this South American country that will host the 2014 FIFA World Cup.

ANSWER: Federative Republic of Brazil [or Republica Federativa do Brasil]

020-14-101-12106

BONUS: What William Wordsworth poem is also known as "I Wandered Lonely As a Cloud" and describes the title flowers "Fluttering and dancing in the breeze,"?

ANSWER: "Daffodils"

030-14-101-1210-11

7. In July of this year, an outbreak of Legionnaires' disease hit Philadelphia, killing over twenty people. During this year, a governor gave an interview to *Playboy* magazine, where he admitted lusting in his heart for women. In Republican primaries in this year, the incumbent president defeated (\*) Ronald Reagan to earn the G.O.P. nomination. During the presidential election of this year, Jimmy Carter defeated Gerald Ford. For 10 points, name this year, the United States' bicentennial year.

ANSWER: 1976

052-14-101-12107

BONUS: Name the former Michigan State and Los Angeles Lakers player and member of the "dream team" who was rivals with Larry Bird.

ANSWER: Earvin "Magic" Johnson

120-14-101-1210-11

8. In this year, two million people joined a human chain called the Baltic Way across Estonia, Latvia, and Lithuania. Also in this year, Hungary removed the defenses on its Austrian border, eventually resulting in protests whose participants overwhelmed guards, walked through (\*) Checkpoint Charlie, and chipped off souvenirs from a defunct barrier. For 10 points, name this year that included the fall of many Communist regimes and the destruction of the Berlin Wall.

ANSWER: 1989

080-14-101-12108

BONUS: Which author wrote about Prince Myshkin in *The Idiot* and Raskolnikov's murder of a pawnbroker in *Crime and Punishment*?

ANSWER: Fyodor **Dostoyevsky**

153-14-101-1210-11



**SET A:**

1. BONUS: What black poet from Colonial America wrote "To His Excellency General Washington" and "On Being Brought from Africa to America?"

ANSWER: Phillis **Wheatley**

014-14-101-1210-12

2. BONUS: This is a calculation question. What is the surface area of a regular dodecahedron if each face has an area of 8 square centimeters?

ANSWER: **96** square centimeters

003-14-101-1210-12

3. BONUS: What red dwarf is the nearest known star to our Sun?

ANSWER: **Proxima Centauri**

233-14-101-1210-12

4. BONUS: What leader of the Chinese Revolution was the founder of the Kuomintang Party?

ANSWER: **Sun** Yat-sen

186-14-101-1210-12

**SET B:**

1. BONUS: This is a 20-second calculation question. If  $y$  cubed equals 15, what is  $y$  to the sixth power?

ANSWER: **225**

003-14-101-1210-12

2. BONUS: "The Lives of the Dead" is one of the stories from what collection by Tim O'Brien about a group of American soldiers in Vietnam?

ANSWER: *The* **Things They Carried**

014-14-101-1210-12

3. BONUS: What 1973 Supreme Court case decriminalized abortions and was limited by *Planned Parenthood v. Casey*?

ANSWER: **Roe** v. *Wade*

015-14-101-1210-12

4. BONUS: "Morning Mood" and "In the Hall of the Mountain King" are in what Norwegian composer's *Peer Gynt Suite*?

ANSWER: Edvard **Grieg**

030-14-101-1210-12



9. This man's siblings include a doctor known as "Uncle Jack" and a woman known as "Aunt Alexandra." He employs a housekeeper named Calpurnia. This character, who is known as "One Shot," demonstrates his shooting skill by killing a rabid dog. He defends the black (\*) Tom Robinson, who has been accused of raping a white woman. This widower is the father of Jem and Scout. For 10 points, name this lawyer, the protagonist of Harper Lee's book *To Kill a Mockingbird*.

ANSWER: Atticus Finch [or Finch]

052-14-101-12109

BONUS: What politician became the first president of the Fifth French Republic when it was established during the Algerian war of independence?

ANSWER: Charles de Gaulle

153-14-101-1210-11

10. One of his novels begins with a plane exploding over the English channel, though Gibreel Farishta and Saladin Chamcha are miraculously saved. This novelist wrote about the long-nosed Saleem Sinai, who was born at the moment of (\*) India's independence from Britain, in his novel *Midnight's Children*. For 10 points, name this Indian-British novelist whose book *The Satanic Verses* resulted in Ayatollah Khomeini calling for his death.

ANSWER: Salman Rushdie

014-14-101-12110

BONUS: Benjamin Franklin published an almanac using the name of what fictional person, who was nicknamed "poor?"

ANSWER: Richard [or Saunders]

052-14-101-1210-11

11. Napoleon Bonaparte allegedly discovered a theorem that involves externally constructing these figures. Only in these shapes can the length of the circumradius be exactly twice the length of the inradius. When these shapes have side-length one, their area equals (\*) one-fourth times the square root of three. One can prove that a figure is of this type if any two of its circumcenter, incenter, orthocenter, or centroid are the same. For 10 points, identify these triangles which have 60 degree angles and equal side-lengths.

ANSWER: equilateral triangles [prompt on triangles]

233-14-101-12111

BONUS: What cartoon character carries a briefcase filled with donuts and ice cream and dwells under a rock that is separated from his friend's pineapple by their neighbor Squidward?

ANSWER: Patrick Star

233-14-101-1210-11

12. This man drew on the experiences of people such as Max Wertheimer, Albert Einstein, and Eleanor Roosevelt to formulate part of his most famous idea, which he put forth in tracts like *Toward a Psychology of Being* and *A Theory of Human Motivation*. This man thought (\*) "peak experiences" were representative of a state achieved by only 1% of all people, self-actualization. For 10 points, identify this psychologist who formulated the hierarchy of needs.

ANSWER: Abraham Maslow

233-14-101-12112

BONUS: What Nazi official organized the logistical aspects of the Holocaust, was captured by Israeli agents in Argentina, and was executed in Jerusalem following a 1961 trial?

ANSWER: Karl Adolf Eichmann

030-14-101-1210-11

13. **Critical damping occurs when a value named for this letter is equal to  $\frac{1}{2}$ . Glutamine is symbolized by this letter. The set of rational numbers is labeled with this letter. RT divided by NF is multiplied by the log of a quantity symbolized by this letter in the (\*) Nernst equation; at equilibrium, that number is equal to the equilibrium constant. For 10 points, name this letter which designates heat, electric charge, and the reaction quotient.**

ANSWER: Q

190-14-101-12113

BONUS: What philosopher and author of *Ethics* was shunned by Amsterdam's Jewish community for his unorthodox views?

ANSWER: Baruch Spinoza

233-14-101-1210-11

14. **This occupation is what Susan Alexander is forced into working at despite her lack of talent at the insistence of her husband Charles Foster Kane. In real life, this occupation was held by Jenny Lind, who was managed by P.T. Barnum; that woman was nicknamed the "Swedish Nightingale." Jose Carreras and (\*) Placido Domingo joined a third man in being stars in this field. For 10 points, name this occupation held by the late Luciano Pavarotti and the other Three Tenors, who popularly performed various arias.**

ANSWER: opera singers [prompt on singers, prompt on tenors]

052-14-101-12114

BONUS: What word is prefixed to stratus clouds and suffixed to cumulus clouds to denote them when they bear precipitation?

ANSWER: nimbus [or nimbo]

066-14-101-1210-11

15. **In one poem, this author wrote that he “wander’d in a forest thoughtlessly” before happening upon Cupid and Psyche. This poet coined the phrase “tender is the night” and wondered, “Fled is that music:-- Do I wake or sleep?” in another of his poems written in 1819. That year, he averred that (\*) “Beauty is truth, truth beauty” at the end of an ode addressed to a “still unravish’d bride of quietness”. For 10 points, name this author of odes about a nightingale and a Grecian urn.**

ANSWER: John Keats

190-14-101-12115

BONUS: Name the U.S. naval base that was attacked by the Imperial Japanese Navy on December 7, 1941.

ANSWER: Pearl Harbor

134-14-101-1210-11

16. **The net electric flux through a surface is proportional to this quantity according to Gauss’s law. It was determined to be quantized by an experiment that balanced the buoyant and electric forces. The force exerted on a particle by a magnetic field is equal to this quantity times (\*) velocity cross the field strength, and current is equal to its negative time derivative. For 10 points, name this quantity measured in coulombs, which for an electron is negative.**

ANSWER: electric charge

226-14-101-12116

BONUS: In *The Wealth of Nations*, Adam Smith used the example of a factory making what objects to argue for the division of labor?

ANSWER: pins

190-14-101-1210-11



17. A holiday celebrating the reception of this religion's scripture is celebrated by staying up all night and eating dairy foods. Thirteen articles of faith about this religion's god are enumerated in a piyyut called (\*) *Yigdal*, and were formulated by the author of the *Guide for the Perplexed*. That thinker, Maimonides, also discussed eight levels of charity in his commentary on this religion's Talmud. For 10 points, name this religion that follows the Torah.

ANSWER: **Judaism**

142-14-101-12117

BONUS: Thomas Hunt Morgan worked with what type of insect in his experiments, specifically the species *Drosophila melanogaster*?

ANSWER: fruit **fly**

052-14-101-1210-11