



1. This group originally lived in the Baxter Building. A member of it uses the catch phrase “It’s clobbering time!” when fighting. The most recent season of *Arrested Development* had a subplot about a musical written about this team. This team acquired its powers after being exposed to cosmic rays in outer space, and they were the first opponents of Doctor Doom. For 15 points, name this Marvel Comics superhero team that includes the Thing and the Human Torch.

ANSWER: **Fantastic Four**

052-13-104-21101

This location is the site of Guano Point, near the Bat Cave Mine, as well as El Tovar Hotel, which was situated atop this site’s namesake railroad. The Havasupai Native Americans cleared the Bright Angel Trail at this landmark. In 2007, a “Skywalk” was opened at this site. Lying at the southern terminus of the Kaibab Plateau, this landmark’s national park is located near Flagstaff. For 15 points, name this landform carved out by the Colorado River in Arizona.

ANSWER: **Grand Canyon**

190-13-104-2110-11

2. Islands belonging to this nation include Skellig Michael, the site of a medieval monastery, and the Aran archipelago. The ancient kings of this nation supposedly ruled from Tara and were crowned with the Lia Fail. The Liffey River flows through this nation’s capital, a city which today is the location of the Book of Kells. Cities in this country include Galway, Cork, and Limerick. For 15 points, name this nation where you’d find the Blarney Stone.

ANSWER: Republic of **Ireland**

190-13-104-21102

BONUS: From what part of Zeus's body did an armed, fully-grown Athena spring upon her birth?

ANSWER: his **head**

233-13-104-2110-11

3. On Titan, this molecule cycles through the moon analogously to water on Earth. This molecule forms clathrates with water ice on the ocean floor. Massive amount of this molecule would be released by the melting of permafrost and greatly contribute to global warming. This tetrahedral molecule is the simplest alkane. For 15 points, identify this principal component of natural gas, a hydrocarbon with formula CH₄.

ANSWER: **methane** [or **CH₄** before mention]

234-13-104-21103

BONUS: What Platonic dialogue is a discussion of the nature of love featuring speeches by Eryximachus (eh-rick-SIM-uh-kiss) and Aristophanes (ah-ruh-STAH-fuh-nee-z)?

ANSWER: the **Symposium**

014-13-104-2110-11

4. During development of the opera based on this book, the names Aaron, Bernard, Bruno, Emile, Moishe and Tzippy were given to characters after the aunts and uncles they were based on. Along with *Outside Over There* and *In the Night Kitchen*, it forms a trilogy about children mastering feelings. In it, a wild rumpus occurs after a boy in a wolf costume is made king after staring into the monsters' eyes. For 15 points, name this book about the misadventures of Max by Maurice Sendak.

ANSWER: **Where the Wild Things Are**

147-13-104-21104

Over fifty people died on this river during the 1989 *Marchioness* disaster. Others were killed when the sea flooded this river's Canvey Island. The area of it known as the Tideway is downstream from Teddington Lock. The artificial Jubilee River contains this river's overflow and was named for the Diamond Jubilee. Pollution in this river reached alarming levels in the 1858 Great Stink, and it has been blamed for giving Prince Albert his fatal case of typhoid. For 15 points, name this longest river entirely in England, which flows through London.

ANSWER: River **Thames**

052-13-104-2110-11

5. This state's city of Bartlesville celebrates a Mozart music festival. This state's Cavanal Hill is billed as the tallest hill in the world. The Beaver and Cimarron counties are part of this state's panhandle. This state's capital city contains a memorial that remembers the victims of a 1995 bombing. This state lies north of the Red River, while the Arkansas River flows past its cities of Brown Arrow and Tulsa. For 15 points, name this "Sooner State," which lies north of Texas.

ANSWER: **Oklahoma**

140-13-104-21105

This character insults a "miserable, tub-trading" group of people as "sniveling cowards with their longbows and black arrows." This character was wounded by Girion, a ruler of Dale, whom he then killed. Another character talks to this creature and calls him "the Stupendous" and "the Unassessably Wealthy." At the end of a 2013 film, this creature, voiced by Benedict Cumberbatch, leaves Lonely Mountain and heads toward Lake Town. For 15 points, name this dragon whose "Desolation" subtitles the second movie in *The Hobbit* series.

ANSWER: **Smaug**

023-13-104-2110-11

6. This quantity equals the line integral of the electric field between two points. The energy stored in a fully-charged capacitor equals one-half this quantity times the separated charge. Dividing the square of this quantity by the resistance gives the power dissipated by a resistor. Capacitance is the ratio of charge to this quantity. Two resistors in parallel must have the same value for this quantity. For 15 points, name this electrical quantity that equals the product of current and resistance in Ohm's Law.

ANSWER: **voltage** [or electric **potential difference**; accept **emf**; accept **electromotive force**]

185-13-104-21106

BONUS: What prophet is traditionally credited with writing the Book of Lamentations?

ANSWER: **Jeremiah**

014-13-104-2110-11

7. This man was stopped while on a mission with William Dawes, and that mission was completed by Samuel Prescott. An engraving showing a line of men in red firing into a crowd in "The Bloody Massacre in King Street" was made by this man. An action this silversmith took part in required him to watch the Old North Church to see how many lanterns were lit. For 15 points, name this Revolutionary War hero who went on a midnight ride to warn Lexington and Concord that the British were coming.

ANSWER: Paul **Revere**

023-13-104-21107

In *Hypnotize*, Notorious BIG asserts that women from this city prefer Moschino. A rapper from this city collaborated with Gwen Stefani on "Let Me Blow Ya Mind". This city, the home of Eve, was the birthplace of an artist that asserted "Parents Just Don't Understand", called for listeners to "Get Jiggy With It", and paired up with D.J. Jazzy Jeff. For 15 points, name this city, home to the star of *The Fresh Prince of Bel-Air*, Will Smith.

ANSWER: **Philadelphia**

048-13-104-2110-11

8. Transitions between a hydrogen atom's lowest energy levels form lines in this region of the spectrum, seen as the Lyman series. The Rayleigh-Jeans Law predicted that radiative intensity from a blackbody diverged in this region of the spectrum, its namesake "catastrophe". Beer's Law is usually used in a form of spectrophotometry using visible light and this region of the spectrum. For 15 points, name this form of radiation less energetic than X-rays but more energetic than visible light.

ANSWER: **ultraviolet** radiation [or **UV** radiation]

190-13-104-21108

BONUS: What game show currently hosted by Drew Carey includes mini-games such as Plinko and Cliff Hangers?

ANSWER: *The **Price is Right***

015-13-104-2110-11

9. In a story by this man set in Padua, a student inadvertently kills the woman he loves after giving her an antidote to the poisons she's been raised on. "Rappaccini's Daughter" appeared in the same collection as a story whose title character learns everyone including his wife Faith is secretly a witch. In a novel by this man, a minister dramatically reveals his seared chest on Election Day after being pursued by Roger Chillingworth. The minister is the lover of that novel's protagonist, Hester Prynne. For 15 points, name this author of *The Scarlet Letter*.

ANSWER: Nathaniel **Hawthorne**

121-13-104-21109

One of this country's Olympic teams was the subject of the film *Cool Runnings*. This country, the birthplace of brakeman Lascelles (luh-SELLZ) Brown, was the first tropical state to qualify for an Olympic bobsled competition. An unusually high percentage of this country's track and field athletes, including Asafa Powell and Veronica Campbell-Brown, tested positive for PEDs in 2013. For 15 points, name this Caribbean country, the home of sprinter Usain Bolt.

ANSWER: **Jamaica**

131-13-104-2110-11

10. An equation named for this physicist can be found by applying the Hamiltonian operator to the wave function. This man came up with a theoretical situation that involved using a hammer, a vial of poison, a Geiger counter, and a radioactive substance. That situation was used by this physicist to explain the idea of superposition in quantum mechanics. For 15 points, name this Austrian physicist who developed a paradox in which a box holds a cat that is both dead and not dead.

ANSWER: Erwin **Schroedinger**

023-13-104-21110

BONUS: What NBA team is currently coached by Randy Wittman and is led by John Wall and Bradley Beal?

ANSWER: Washington **Wizards** [or **Washington** Wizards]

015-13-104-2110-11

11. The Grandfather geyser field is located in this region. The Very Large Telescope is located in the Paranal (pah-rah-NAHL) Observatory in this region. The few mammal species native to this area include a variety of grey fox, Darwin's leaf-eared mice, and the viscacha (vees-CAH-chuh). Owing to El Nino, the southern portion of this desert annually flowers between September and November. This desert is rich in copper and nitrate deposits, the latter of which sparked the War of the Pacific. For 15 points, name this driest hot desert in the world, located to the west of the Andes.

ANSWER: **Atacama** Desert

020-13-104-21111

This object is used in a 1995 film by Chase Meridian, who is chastised for confusing it with a "beeper." In an earlier film, it is displayed at a press conference in response to Alexander Knox's question "how do we call him?" At the end of a later film, this object is shown being destroyed with an axe under the words "condemn me, set the dogs on me." In a 2005 film, this object is first conceived when Carmine Falcone (fal-COH-nee) is tied to a searchlight prior to the arrival of police. For 15 points, name this device which projects an image onto the clouds in *The Dark Knight*.

ANSWER: the **Bat-signal**

019-13-104-2110-11

12. Attorney General William Mitchell's sanctioning of the shooting of William Hushka and Eric Carlson caused controversy due to Hushka and Carlson holding this status. Smedley Butler publicized the plight of these people. Many of them followed Walter Waters and erected a campsite at Anacostia Flats in their quest to immediately cash in certificates promised to them by the Adjusted Compensation Act. For 15 points, name these members of the "Bonus Army," who had served in World War I.

ANSWER: U.S. **veterans** [or members of the **Bonus Army** until it is read]

020-13-104-21112

BONUS: What classic 1973 film follows the scams perpetrated by Robert Redford and Paul Newman and is set to the music of Scott Joplin?

ANSWER: *The **Sting***

015-13-104-2110-11

13. One character in this story plays tunes that are described as sadder than Weber's final waltz. The narrator of this story recalls the singing of a song in his childhood called "The Haunted Palace." Towards this story's end, a book by Launcelot Canning about a knight named Ethelred, *The Mad Trist*, is read. In this story, Roderick dies after Madeleine, who had been buried under the title structure, reappears. For 15 points, name this short story, featured in *Tales of the Grotesque and Arabesque*, by Edgar Allan Poe.

ANSWER: "The **Fall of the House of Usher**"

192-13-104-21113

The McLaren Vale and Barossa Valley of this country are known for their shiraz wines. This country was the site of mines in the Golden Mile of its western city of Kalgoorlie. Polish explorer Pawel Strzelecki (struh-LECK-ee) was the first man to climb this country's highest peak, Mount Kosciuszko. This country's city Alice Springs is the nearest to the rock formation known as either Uluru or Ayers Rock. For 15 points, name this country that is the only one to also be a continent and whose western half is mostly made up of the Outback, which is the home of many kangaroos.

ANSWER: Commonwealth of **Australia**

023-13-104-2110-11

14. This area was constructed following a campaign by Andrew Jackson Downing and William Cullen Bryant. Its plan was selected in a thirty-three way competition for a two thousand dollar prize, which was won by Calvert Vaux and Frederick Law Olmsted. This area is home to Cleopatra's Needle and the Metropolitan Museum of Art, as well as a zoo and the stage where Shakespeare is performed annually. For 15 points, name this large public park in Manhattan.

ANSWER: **Central** Park

019-13-104-21114

An animal of this non-insect type is the nemesis of Stanley the Bugman, as well as the villainous King K. Rool. In an arcade game, an animal of this type captures Pauline and throws obstacles at Mario as the first ever opponent faced by that plumber. Examples of these animals include Dixie and Diddy. For 15 points, what is this type of ape, a fictional example of which is Donkey Kong?

ANSWER: **gorilla** [prompt on **ape**]

052-13-104-2110-11

15. In transition state theory, this quantity is replaced by the change in Gibbs free energy, symbolized with a double dagger. This quantity for the forward reaction minus this quantity for the backward reaction equals the reaction's change in free energy. The negative of this quantity appears in the exponential of the Arrhenius equation, dividing RT. Catalysts decrease this quantity. For 15 points, name this quantity, the energy barrier for a reaction to take place.

ANSWER: **activation energy** [or free **energy of activation**; or **E sub A**]

190-13-104-21115

BONUS: What thinker proposed the "general will" as the guiding force of societies in *The Social Contract*?

ANSWER: Jean-Jacques **Rousseau**

014-13-104-2110-11

16. In this game, Valdros Lucky Dagger has a 25% critical chance and the Rueful Axe is the only weapon that can harm the dog Barbas. Its player negotiates a peace treaty so that Odahviing can be captured in the fortress Dragonsreach. A call from High Hrothgar summons this game's player after a victory near Whiterun. For 15 points, name this Bethesda game in which Alduin is defeated by the Dragonborn, the latest in the Elder Scrolls series.

ANSWER: *The Elder Scrolls V: **Skyrim*** [or *The **Elder Scrolls V: Skyrim***; do not accept or prompt on "The Elder Scrolls" alone]

198-13-104-21116

BONUS: Carnegie Mellon University is located in what city that is located at the confluence of the Allegheny and Monogahela rivers?

ANSWER: **Pittsburgh**, Pennsylvania

030-13-104-2110-11

17. Some acacia trees produce Beltian bodies in a mutualistic relationship with these animals. The subject of a book by E. O. Wilson and Bert Holldobler, these animals often use formic acid in their venom, and together with wasps and bees they form the order Hymenoptera. Fungus cultivation is practiced by the "leaf-cutter" kind of these organisms. These organisms may cultivate aphids, and they include "carpenter" and "army" varieties. For 15 points, name these common insects whose underground hives are often topped by hills.

ANSWER: **ants** [or **Formicidae**]

237-13-104-21117

BONUS: What second book of the Old Testament recounts Moses being given the Ten Commandments?

ANSWER: Book of **Exodus**

015-13-104-2110-11

18. One ruler of this city built a giant sundial which pointed to the Altar of Peace on his birthday. Twelve bodyguard-like officers in this city carried an axehead tied to a bundle of sticks, from whose name we derive the word "fascism." Its highest executives were two men elected to a simultaneous year-long term, and its tribunes represented the lower-class plebeians against its upper-class patricians. For 15 points, name this city whose consuls and senators wore togas.

ANSWER: **Rome** [or **Roma**]

104-13-104-21118

This former NBA player is the most recent player to win all three of the regular season, All-Star, and Finals MVP awards in a season. After playing a Christmas game in 2006, this player for the Heat called his former coach, Phil Jackson, a "Benedict Arnold." A strategy that involved forcing this player to shoot free throws involved opposing players "hacking" this man. This player was drafted first overall out of LSU by the Orlando Magic in the 1992 NBA draft. For 15 points, name this center who won three consecutive championships with the Lakers and had a feud with Kobe Bryant.

ANSWER: Shaquille Rashaun **O'Neal** [or **Shaq**]

023-13-104-2110-11

19. In a Daniell cell, this name is given to the piece of copper that is connected to a piece of zinc. In a galvanic cell, electrical current flows away from this location, which attracts electrons. This part of a galvanic cell is where the reduction reaction occurs, which is why it is considered positive in that case. For 15 points, give this name for a type of electrode that is used in batteries and is contrasted with the anode.

ANSWER: **cathodes**

023-13-104-21119

BONUS: What young outfielder for the Angels has finished second in American League MVP voting for two consecutive years?

ANSWER: Mike **Trout**

015-13-104-2110-11

20. This man called Shimon Peres "a great and good friend" in a letter later accused of being fabricated. In June of 2012, he said he would try to free Omar Abdel-Rahman in a speech delivered in Tahrir Square. This member of the Freedom and Justice Party was unseated by a council that included the Coptic Pope. He won election by defeating Ahmed Shafik, the former prime minister under Hosni Mubarak. For 15 points, name this first democratically elected President of Egypt, who was ousted in July 2013.

ANSWER: Mohamed **Morsi**

052-13-104-21120

The western part of this city is called the Tama Area, and it is the site of an amusement park called Sanrio Puroland. This city has many museums located in its Ueno (oo-EY-noh) Park, including the National Museum of Western Art. Shopping can be done in this city's commercial district called Ginza. The second-tallest structure in the world is this city's namesake Skytree. This city's Imperial Palace is in its Chiyoda ward, and Shibuya is the site of its Meiji (MAY-jee) Shrine. For 15 points, name this city that has the largest metropolitan area in the world and is the most populous in Japan.

ANSWER: **Tokyo**

023-13-104-2110-11

21. In rituals involving these items, the phrase "I'had'lik neir" (luh-HOD lick-NAIR) is used. A ritual involving two of these items uses one of them to fulfill the commandment "remember" and the other to fulfill the commandment "observe." A hand is waved over these items and then used to cover the eyes by a woman who uses them at the start of Shabbat. In another Jewish holiday, these items include the "shamash," and an additional one is used on each of eight days. For 15 points, identify these items which are placed in a menorah on Hannukah and lit.

ANSWER: **candles**

019-13-104-21121

BONUS: A lulav and an etrog are shaken, and a booth is built, on what Jewish holiday sometimes called the Feast of Tabernacles?

ANSWER: **Sukkot**

230-13-104-2110-11

22. A poem of this type states that "the art of losing isn't hard to master," and another poem of this type states, "I wake to sleep, and take my waking slow." This type of poem is exemplified by Elizabeth Bishop's "One Art" and Theodore Roethke's "The Waking." Another poem of this type urges the speaker's father to "rage, rage against the dying of the light." For 15 points, name this highly structured type of nineteen-line poem, exemplified by Dylan Thomas's "Do Not Go Gentle Into That Good Night."

ANSWER: **villanelles**

126-13-104-21122

BONUS: What large lake in Siberia is the Earth's oldest freshwater lake and its deepest continental lake?

ANSWER: Lake **Baikal**

015-13-104-2110-11

23. A woman crosses herself as she kneels in this artist's first commissioned work, *The Prayer*. Three of his pieces are part of an ensemble at Targu Jiu, including *The Table of Silence* and a stack of seventeen rhomboidal pieces known as *Endless Column*. His most famous sculptures accentuate the sleekness and speed of their subject, and were taxed as manufactured objects because US customs officers didn't consider them art. For 15 points, name this Romanian sculptor of *Bird in Space*.

ANSWER: Constantin **Brancusi**

127-13-104-21123

In one story, this god ate so much that when he was scared by a snake his stomach burst open. This god told his parents they were his world after being challenged by his brother to a race around the world. He gained his most notable feature after trying to prevent his father from seeing his mother in the bath. This son of Parvati and Shiva is known as the Remover of Obstacles and rides on a rat. For 15 points, name this god from Hinduism who had the head of an elephant.

ANSWER: **Ganesh**

235-13-104-2110-11

24. Patients with this disease sometimes suffer overheating and fatigue when exposed to hot weather thanks to Uhthoff's phenomenon, and feel the "barber chair phenomenon" when bending their heads forward. Jean-Marie Charcot was the first to describe and name this disease, whose name refers to scars in the brain's white matter produced by the destruction of the myelin sheathes that insulate neurons. For 15 points, name this neurological disease more common in women than men, which can cause muscle weakness and paralysis.

ANSWER: **MS** [or **multiple sclerosis**]

020-13-104-21124

BONUS: What South American country contains the cities of Cuzco and Machu Picchu?

ANSWER: **Peru**

015-13-104-2110-11

25. This city was where police officer James Zadroga died, resulting in legislation meant to protect workers suffering from respiratory diseases. Over six hundred employees of Cantor Fitzgerald died here. The Richard Drew photograph *The Falling Man* shows a man jumping out of a building in this city to presumably escape a fire. It was the location of a building with the "Windows on the World" restaurant. For 15 points, name this city where the World Trade Center was destroyed on September 11, 2001.

ANSWER: **New York** City

052-13-104-21125

Native crocodiles in this country can be found at the Zapata Swamp. This country owns the Isle of Youth, which was also known as the "Isle of Parrots" and "Treasure Island." The oldest Spanish settlement here was at Baracoa. It is to the west of the "Windward Passage," which separates it from an island split into two countries. The United States maintains a base on a bay in this country named Guantanamo. For 15 points, name this Caribbean island 90 miles to the south of Florida.

ANSWER: **Cuba**

052-13-104-2110-11

26. This question was first proposed in Joseph Hart's text *The Romance of Yachting*. J. Thomas Looney proposed the "Oxfordian theory," which claimed that this question's answer was Edward de Vere, while others believe the answer is "multiple people." Several scholars have proposed that the answer to it is "Francis Bacon" or "Christopher Marlowe" because the familiar answer lacked the appropriate education. For 15 points, give this literary question which ponders who was really responsible for such dramas as *Romeo and Juliet*.

ANSWER: "Who wrote **Shakespeare's plays**?" [or obvious equivalents; or **Shakespeare authorship** controversy]

052-13-104-21126

The second item on this list is "samudaya" (sah-moo-DIE-uh), which is later elucidated to include killing, lying, stealing, and other forms of "attachment." This list begins with "dukkha" (DOO-kuh) and ends with "magga." These tenets were revealed at Sarnath and are recorded in the text *The Setting in Motion of the Wheel of Dharma*, and they constituted the first sermon given after the enlightenment under the Bodhi tree. The last of these beliefs says that the Eightfold Path is the way to reach nirvana. For 15 points, identify this set of core beliefs of Buddhism.

ANSWER: **Four Noble Truths** [or **Chattari-ariya-saccani**; or **Chatvari-arya-satyani**]

019-13-104-2110-11



27. In one film produced by a director from this country, a flashback reveals that a boy could not hold his brother's weight while playing the harmonica. In another film directed by that man from this country, Lee Van Cleef plays "Angel Eyes," who races Tuco and Clint Eastwood's unnamed character to a graveyard stash of Confederate gold. For 15 points, identify this country whose cinematic output includes Sergio Leone's *The Good, The Bad, and the Ugly*, among other "spaghetti westerns."

ANSWER: **Italy**

233-13-104-21127

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