

## 2010 Collaborative Middle School Tournament

### Round 6

#### Tossups

1. This structure was built on the orders of Walter Ulbricht (“ULL-bricked”), who termed it anti-Fascist. It divided the Potsdamer Platz (“POTTS-dah-mer PLOTS”), and its best-known crossing was at Checkpoint Charlie. Ronald Reagan challenged Mikhail Gorbachev to tear it down. For 10 points, the capital of Germany was divided by what barrier that fell in November 1989?

ANSWER: **Berlin Wall** [accept **Berliner Mauer**]

2. This award is named after the coach who holds the record for largest margin of victory in a college football game. Archie Griffin is the only man to win this award twice. Until 2007, no sophomore had won this award; since then, three straight sophomores have won it. In 2009, balloting for this award saw the closest vote ever. For 10 points, name this award won in 2009 by Alabama’s Mark Ingram.

ANSWER: John **Heisman** Memorial Trophy

3. In one poem, this writer depicted the blacksmith named Basil as the father of Gabriel, who is the sweetheart of the title daughter of Benedict. In another poem, this writer depicted the evil magician named Pearl-Feather who is defeated by a title Native American. For 10 points, name this American writer who wrote *Evangeline* and *The Song of Hiawatha*.

ANSWER: Henry Wadsworth **Longfellow**

4. By mass, most of the atmosphere is contained within this layer, as it is the densest. Reaching a maximum height of about 16 kilometers at the equator, the boundary immediately above it is the coldest part of the atmosphere, and the jet stream is strongest just below that pause. Most weather systems are contained within this layer. For 10 points, name this lowest layer of the atmosphere.

ANSWER: **troposphere**

5. The reaction to this man’s recent promise of a zero percent increase in public spending led John Bercow to call for order. He became a member of the Shadow Cabinet in 1986. In 1994, he was rumored to be a candidate for the leadership of the Labour Party, but struck the Granita (“gruh-NEE-tuh”) Pact with man he would eventually succeed, Tony Blair. For 10 points, name this current Prime Minister of the United Kingdom.

ANSWER: Gordon **Brown**

6. A pressure associated with this process is a colligative (“co-LIG-uh-tiv”) property proportional to mass and temperature, and is defined as the hydrostatic (“HY-dro-STAT-ick”) pressure necessary to counteract this process. A “reverse” form of this process is sometimes used to purify water. For 10 points, name this movement of water across a semi-permeable membrane from an area of high concentration to an area of low concentration.

ANSWER: **osmosis** [prompt on **diffusion**]

7. The protagonist of this book refers to Mr. Tweedie as a “squeak pig.” That protagonist shares a house with Izzy, although she is eventually taken to live with Lavinia. Priscilla Lapham is the love interest of the main character, who joins the Sons of Liberty and interacts with historical figures such as Paul Revere. For 10 points, name this book by Esther Forbes about a young silversmith during the American Revolution.

Answer: **Johnny Tremain**

The 2010 Collaborative Middle School Tournament was overseen by Andy Watkins and written by Nick Bergeon, Matt Bollinger, Matthew Dirks, Zach Foster, David Garb, Jeff Hoppes, Sandy Huang, Idris Kahloon, Tanay Kothari, Kay Li, Charles Martin, Trygve Meade, Aidan Mehigan, Charlie Rosenthal, Donald Taylor, and Dwight Wynne. Jeff Hoppes, Jeff Price, Donald Taylor, and Dwight Wynne served as the primary editors and proofreaders.

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8. A woman's face is dimly superimposed on his *The Old Guitarist*, part of his Blue Period, and *Garçon à la Pipe* ("gar-SONE ah lah PEEP") is part of his Rose Period. Another work by him depicts a light bulb shining above a horse under which lies a severed arm holding a broken sword. That work was painted in the aftermath of the bombing of a Basque town and is entitled *Guernica* ("GWAIR-nee-cah"). For 10 points, name this Spanish artist, a pioneer of Cubism.

ANSWER: Pablo (Ruiz y) **Picasso**

9. This brother of Chrysaor ("CRY-say-or") created the Hippocrene ("HIP-oh-creen") fountain. This figure was credited with helping a hero slay the Chimera and was tamed with a special girdle given by Athena to that hero, Bellerophon ("bell-AIR-oh-fon"), in a dream. Eventually employed as Zeus' bolt-carrier, this figure sprang from the neck of Medusa after she was decapitated by Perseus. For 10 points, name this winged horse from Greek myth.

ANSWER: **Pegasus**

10. Amendments affecting this branch of government include the Twelfth and Twenty-second. One member of this entity is granted the "power to grant reprieves and pardons." The most recent addition to this entity is the Department of Homeland Security. It was set up by Article II of the Constitution. For 10 points, what is this branch of government responsible for enforcing the laws and headed by the President?

ANSWER: **executive** branch

11. The fundamental theorem of arithmetic states that every positive integer can be uniquely represented as a product of these numbers. Special types of these numbers are named after Fermat ("fur-MAHT") and Mersenne ("mur-SEN"). To find these numbers, one may use the Sieve of Eratosthenes (air-uh-TOSS-then-eez"), in which one crosses off all multiples of two, then all multiples of three, and so on. For 10 points, give these numbers whose only factors are one and themselves.

ANSWER: **prime** numbers [or **primes**]

12. In this play, Peter Quince's play entitled *Pyramus and Thisbe* ("PEER-uh-muss and THIZZ-bee") enthralls Nick Bottom. This play depicts Demetrius initially deserting Helena in favor of Hermia. Titania's and Oberon's servant in this play is named Puck. The marriage between Hippolyta ("hip-POL-it-uh") and Theseus happens in, for 10 points, what comedy depicting Athenian lovers and written by William Shakespeare?

ANSWER: *A **Midsummer Night's Dream***

13. This city's northeast is home to Mount Scopus ("SCOPE-us"), often used as a point of attack by forces attempting to invade it. Landmarks in this city include the Dome of the Rock, revered by many Muslims who consider this city their third holiest, and the western wall of the former Temple Mount, which is now a major site for followers of Judaism. For 10 points, name this city of importance to three religions, the capital of Israel.

ANSWER: **Jerusalem**

14. This compound is converted to Vitamin D in the presence of ultraviolet-B light. It is carried in the blood by lipoproteins ("LIPE-oh-PRO-teens"), with the "good" kind carried by high-density ones. The "bad" kind, carried by LDLs, can build up on arteries to form plaques. For 10 points, 300 milligrams per day is the recommended dietary allowance of what waxy substance, high levels of which place an individual at greater risk for heart disease?

ANSWER: **cholesterol**

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15. A financial arm of this organization was founded at the Bretton Woods conference, and a conference that oversaw its creation was held in San Francisco. Its former leaders include Dag Hammarskjöld (“DOG HAHM-ahr-SKEEOLD”) and Kurt Waldheim (“VALD-hime”). It encompasses the World Bank and General Assembly. For 10 points, Ban Ki-moon is the current Secretary General of what international organization?

ANSWER: United Nations

16. The earliest example of this form of music, created by Jacopo Peri (“perry”), described the love between Apollo and Daphne by combining Greek-style tragedy and musical accompaniment. More recent stars in this discipline include Plácido Domingo and Luciano Pavarotti. For 10 points, identify this art form that combines music and acting, which one might hear at La Scala in Milan.

ANSWER: opera

17. This figure’s father was struck dumb for his disbelief after being told that his wife Elizabeth would conceive this figure. He taught that “he who hath two coats” should “give to him who hath none.” Salome (“SAL-oh-may”) asked Herod for this figure’s head on a platter. He gained his epithet for an action which he performed with water, but another would perform with the Holy Spirit. For 10 points, name this saint who baptized Jesus.

ANSWER: John the Baptist

18. The wife of one character in this novel is named Teresa Cascajo (“cas-CAH-ho”). That character’s donkey is named Dapple and accompanies Rocinante (“ro-sin-AHN-tay”), the nag of this novel’s protagonist. A long-legged paunchy rustic named Sancho Panza is the squire of the title character. For 10 points, name this novel by Miguel de Cervantes (“ser-VAHN-tayss”) in which a chivalry-obsessed title character tilts at windmills.

ANSWER: Don Quixote de la Mancha

19. He defended a campaign fund with his "Checkers Speech," which helped him maintain his role as Dwight Eisenhower's running mate. He was defeated in the 1962 race for Governor of California two years after losing a hotly contested election to John F. Kennedy. For 10 points, name this 37th President of the United States, who resigned following the Watergate scandal.

ANSWER: Richard Nixon

20. Two stars in this asterism, Mizar (“MEE-zar”) and Alcor (“AL-core”), have been called the Horse and Rider. Though the North Star is not in this asterism, one can find it by tracing a line from Merak (“MARE-ack”) and Dubhe (“DUB-he”), which make up one side of this asterism's title feature. For 10 points, name this group of about seven stars found in Ursa Major, which also comes in a "little" version.

ANSWER: The Big Dipper [or Plough or Drinking Gourd]

Extra. This state was the site of the Civil War naval battle in which David Farragut shouted "Damn the torpedoes! Full speed ahead!" City officials in this state sued the New York Times in a Supreme Court case that set the standard for libel involving public officials. A 1965 voter registration drive in Selma culminated in a march to its capital. For 10 points, name this state, the site of the Montgomery bus boycott.

ANSWER: Alabama

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### Bonuses

1. For 10 points each, name these Congressional leadership positions:

[10] The holder of this position is the third in the line of presidential succession after the Vice President and Speaker of the House. It is typically given to the most senior member of the majority party in the Senate.

ANSWER: **President pro tempore**

[10] This position is currently held by Republicans Mitch McConnell in the Senate and John Boehner in the House. It is typically given to the senior member of the party with fewer seats.

ANSWER: **Minority Leader**

[10] This position is currently held by James Clyburn in the House and Dick Durbin in the Senate. The person in this position is responsible for ensuring party members are present for floor votes.

ANSWER: Majority **Whip**

2. The Maunder minimum was a period during which there were abnormally few of these objects. For 10 points each:

[10] Name these cool, dark areas on the surface of the sun, whose activity is governed by an eleven-year cycle.

ANSWER: **sunspots**

[10] This outermost layer of the sun can be seen during a solar eclipse. Solar wind escapes through holes in this layer.

ANSWER: **corona**

[10] This innermost layer of the sun's atmosphere is what is typically referred to as its surface, and sunspots are formed here. It is the deepest layer of the sun that can actually be seen, and is what gives the sun its yellow color.

ANSWER: **photosphere**

3. The protagonist is expelled from Pencey Prep before adventuring around New York City in this novel. For 10 points each:

[10] Name this novel featuring Holden Caulfield, who wears a red hunting hat, loves Jane Gallagher, goes on a date with Sally Hayes, and hates "phonies" with a hypocritical burning passion.

ANSWER: *The **Catcher in the Rye***

[10] This reclusive American was the author of several stories about the Glass family, including "A Perfect Day for Bananafish," in addition to *The Catcher in the Rye*.

ANSWER: J(erome) D(avid) **Salinger**

[10] This character, Holden's sister, is the only character who truly cares for him. She is to play the part of Benedict Arnold in her school play and enjoys changing her middle name.

ANSWER: **Phoebe** "Weatherfield" Josephine Caulfield [or **Phoebe Caulfield**; prompt on **Caulfield**]

4. For 10 points each, name these American lakes:

[10] Cities on this lake's shores include Duluth ("duh-LOOTH") and Sault ("SOO") St. Marie. It is the largest of the Great Lakes.

ANSWER: Lake **Superior**

[10] The second largest freshwater lake wholly inside the United States, this Florida lake flooded in 1928, causing the deaths of hundreds of people.

ANSWER: Lake **Okeechobee** ("OH-kee-CHO-bee")

[10] The northernmost point in the continental United States is at this lake on the Minnesota-Ontario border. It is the largest lake partially in the United States outside of the Great Lakes.

ANSWER: Lake **of the Woods**

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5. A permanent station was built at this location in 1956 for the International Geophysical Year. For 10 points each:

[10] Name this objective of a 1909 expedition by Ernest Shackleton, the only place on earth that is ninety degrees of latitude below the equator.

ANSWER: **South Pole** [do not accept "South Magnetic Pole"]

[10] The first man to reach the South Pole was this Norwegian, who arrived in December 1911. He was also the first to sail through the Northwest Passage.

ANSWER: Roald (Engelbregt Gravning) **Amundsen**

[10] Amundsen beat this British explorer, a Royal Navy captain, to the pole by a month. He and his four companions froze to death on the return trip across Antarctica.

ANSWER: Robert Falcon **Scott**

6. Orders of these figures have been founded by such people as Benedict of Nursia ("NURSE-ee-uh"). For 10 points each:

[10] Name these Christian holy men, whose name derives from the Greek for "living alone," since they live isolated from the rest of society.

ANSWER: **monks**

[10] This saint founded three orders: the Friars Minor, the Order of St. Clare, and the Third Order for laypersons. These three are classified as the Franciscan orders.

ANSWER: Saint **Francis** of **Assisi** [prompt on **Francis**; do not accept "Francis Xavier"]

[10] This Spanish priest and friend of Francis of Assisi founded an order devoted to preaching. The first two houses were founded near Paris and Bologna, which facilitated his order's eventual influence on university studies.

ANSWER: Saint **Dominic** [accept Santo **Domingo** de Guzman; prompt on **Dominicans**]

7. At least one part of this bonus requires computation. For 10 points each, given the following descriptions of graphs, translate them into equations or inequalities.

[10] A number line has an open circle at the point  $x$  equals 4 and a dark arrow pointing to the right.

ANSWER: " **$x$  is greater than four**" [or  **$x > 4$** ; do not accept " $x$  is greater than or equal to 4"]

[10] In a standard  $x$ - $y$  graph, a line passes through the points (0,3) ("Zero comma three") and (6,0) ("six comma zero"). Given your answer in slope-intercept form.

ANSWER: " **$y$  equals negative one-half  $x$  plus three**" [or  **$y = -x/2 + 3$** ; do not accept " $y$  equals one-half  $x$  plus three"]

[10] In a standard  $x$ - $y$  graph, a circle centered at the origin passes through the points (3,4) and (-4, 3).

ANSWER: " **$x$  squared plus  $y$  squared equals twenty-five**" [or  **$x^2 + y^2 = 25$** ; or " **$y$  equals plus or minus the square root of quantity twenty-five minus  $x$  squared**"]

8. In one episode of this series, Jim and Pam got married at Niagara Falls. For 10 points each:

[10] Name this NBC sitcom detailing life working for incompetent manager Michael Scott at the Dunder Mifflin Paper Company.

ANSWER: *The **Office***

[10] The magnum opus of this beet farm operator, who once demonstrated how to harvest internal organs from a CPR dummy, is titled *My Diabolical Plan* and describes how he intends to get his workplace nemesis Jim fired.

ANSWER: **Dwight K(urt) Schrute** [accept either]

[10] *The Office* is set in this seat of Lackawanna County, Pennsylvania, which shares a metropolitan area with Wilkes-Barre. It was the birthplace of current Vice President Joe Biden.

ANSWER: **Scranton**

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9. For 10 points each, name these Republican governors:

[10] This current governor of Minnesota gained national attention when he was rumored to be a possible Vice Presidential candidate for John McCain.

ANSWER: Tim(othy) James **Pawlenty**

[10] This current Louisiana governor became the first ever Indian-American elected governor of a state.

ANSWER: Piyush “Bobby” **Jindal**

[10] This current governor of Florida controversially moved up the date of his state’s 2008 presidential primary. He declined to run for re-election, and is instead running for U.S. Senate.

ANSWER: Charles Joseph “Charlie” **Crist**, Jr.

10. For 10 points each, answer these questions about an American composer:

[10] This composer of *El Capitan* (“CAP-ee-tan”) also wrote the official song of the Marine Corps and has an easy to carry tuba named after him.

ANSWER: John Philip **Sousa**

[10] Sousa also wrote this official march of the United States, inspired by the flag.

ANSWER: *The **Stars and Stripes Forever***

[10] *The Stars and Stripes Forever* trio has a series of crashes by this large, flat metal instrument.

ANSWER: **cymbal**

11. He was birthed from his father's thigh after his mother was incinerated. For 10 points each:

[10] Identify this god of wine and agriculture.

ANSWER: **Dionysus** [accept **Bacchus**]

[10] As a youth, Dionysus was kidnapped for ransom. After learning who he was, the sailors leaped into the sea, after which Dionysus turned them into these aquatic animals.

ANSWER: **dolphins**

[10] Upon being accepted as part of the pantheon, Dionysus needed a place to sit. This goddess of the hearth willingly gave up her throne.

ANSWER: **Hestia** [accept **Vesta**]

12. During this process, an animal rapidly matures from a larva into an adult. For 10 points each:

[10] Name this stage in the life cycle of many insects and other organisms. One example is the transformation of a caterpillar into a butterfly.

ANSWER: **metamorphosis**

[10] This is the inactive form an organism takes during metamorphosis. It is typically accompanied by the presence of an outer covering such as a cocoon.

ANSWER: **pupa** [or **chrysalis**]

[10] Emergence from the pupal state requires leaving behind an exuvium (“ex-OO-vee-um”), which is also left behind at the end of this process in which an animal sheds its skin.

ANSWER: **molting** [or **ecdysis**]

13. This man receives the sword Excalibur from the Lady of the Lake. For 10 points each:

[10] Name this king of Camelot whose wife Guinevere has an affair with Lancelot.

ANSWER: King **Arthur** Pendragon

[10] Name the cousin of Arthur and son of Morgana le Fay who eventually mortally wounds him.

ANSWER: Sir **Mordred**

[10] Name the brother of Arthur, who serves as his right hand man and seneschal (“SEN-esh-ahl”) at the Round Table.

ANSWER: Sir **Kay**

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14. During the eighth century, this empire was divided by a dispute about icons. For 10 points each:

[10] Identify this empire based in Asia Minor, whose notable rulers included Justinian and the Empress Theodora.

ANSWER: **Byzantine** Empire

[10] The empire's capital on the Bosphorus ("BOSS-por-us") was renamed from Byzantium ("by-ZAN-tee-um") to this, in honor of the Roman emperor who legalized Christianity.

ANSWER: **Constantinople**

[10] In 1453, this Turkish empire took Constantinople. It ruled the area until the end of World War I.

ANSWER: **Ottoman** Empire

15. It is caused by an atmosphere's ability to absorb and emit infrared radiation. For 10 points each:

[10] Name this effect, named for a place where one can grow plants.

ANSWER: **greenhouse** effect

[10] The greenhouse effect is blamed for this increase in Earth's temperature due to the increase of greenhouse gasses in the atmosphere.

ANSWER: **global warming**

[10] This treaty, signed in Japan, is aimed at reducing the amounts of greenhouse gases. The U.S. has notably not ratified it.

ANSWER: **Kyoto** Protocol

16. The title of this book comes before "over the waters by and by" in a song. For 10 points each:

[10] Name this book about Cassie Logan, whose white friend Jeremy is warned to stay away by Papa Logan, although her brother Stacey befriends him.

ANSWER: ***Roll of Thunder, Hear my Cry***

[10] *Roll of Thunder, Hear my Cry* was written by this author of its sequel, *Let the Circle be Unbroken*.

ANSWER: Mildred DeLois **Taylor**

[10] This woman, Cassie's grandmother, is afraid to die because she thinks Harlan Granger will steal her family's land.

ANSWER: Caroline "**Big Ma**" Logan

17. This artist often used Benday ("BEN-day") dots to create his trademark comic-book style. For 10 points each:

[10] Name this American artist of such works as *Drowning Girl*, *Look Mickey!* and *Whaam!*, the last of which shows a fighter plane getting shot down.

ANSWER: Roy **Lichtenstein**

[10] This contemporary of Lichtenstein's created art out of everyday images, such as those of Marilyn Monroe and some Campbell's soup cans. He also made an eight hour movie depicting nothing but the Empire State Building.

ANSWER: Andrew "Andy" **Warhola**

[10] Lichtenstein and Warhol were both pioneers of this mid-twentieth century American art movement that often depicted everyday scenes using commercial techniques, rebelling against the prevalence of abstract expressionism.

ANSWER: **Pop** art

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18. For 10 points each, answer the following about burning things:

[10] This is the scientific term for the reaction in which a fuel is burned. Some liquids are so volatile that they will spontaneously undergo this type of reaction at room temperature.

ANSWER: **combustion** [or word forms]

[10] Burning hydrocarbons, such as gasoline, in the presence of oxygen results in the formation of two other gases. Name either.

ANSWER: **carbon dioxide** [or **CO<sub>2</sub>**] or **water** vapor [or **H<sub>2</sub>O**]

[10] This term describes reactions, such as combustion reactions, that result in a net release of energy.

ANSWER: **exothermic**

19. This poem describes the decorations on the sides of the title vessel. For 10 points each:

[10] Name this poem that proclaims "'Beauty is truth, truth beauty,' – that is all / Ye know on earth, and all ye need to know."

ANSWER: **"Ode on a Grecian Urn"**

[10] "Ode on a Grecian Urn" is a work of this English poet whose other poems include "Ode to a Nightingale," "La Belle Dame sans Merci" ("LAH BELL DAHM SAHN mare-SEE"), and "Hyperion."

ANSWER: John **Keats**

[10] Keats was part of the English Romantic movement, whose other followers include this poet, who wrote "Ozymandias" ("oz-ee-MAN-dee-us"), "Ode to the West Wind," and "To a Skylark."

ANSWER: **Percy Bysshe Shelley** [prompt on **Shelley**]

20. One plan for this period was the Wade-Davis Bill of 1864. For 10 points each:

[10] Name this period from 1865 to 1877, a time of recovery from the Civil War that saw the passage of the Fourteenth and Fifteenth Amendments.

ANSWER: **Reconstruction**

[10] One obstacle to Reconstruction was violence by this white supremacist group, whose first Grand Wizard was Confederate general Nathan Bedford Forrest.

ANSWER: Ku Klux **Klan** [accept **KKK**]

[10] Reconstruction ended when federal troops left the South under this president, who defeated Samuel Tilden in the election of 1876.

ANSWER: Rutherford B(irchard) **Hayes**

Extra. Alexander Pope wrote one "on Man," John Locke wrote one "Concerning Human Understanding," and Charles Lamb wrote several "of Elia." For 10 points each:

[10] Name this form of literary nonfiction, which more commonly comes in a five-paragraph form.

ANSWER: **essay**

[10] This statement is typically the last sentence of the introduction in a five-paragraph essay and succinctly states the argument that will be presented in the rest of the essay.

ANSWER: **thesis** statement

[10] This is the last paragraph in a five-paragraph essay. In it, the author typically summarizes arguments, restates the thesis, or connects the essay to larger themes.

ANSWER: **conclusion**