2010 Collaborative Middle School Tournament
Round 9

Tossups

1. During the eighteenth century, this nation was partitioned three times by its neighbors. Its first elected president was a former shipyard electrician and leader of the Solidarity movement, Lech Walesa ("vaw-WESS-uh"), and it was the home country of Pope John Paul II. For 10 points, Germany's September 1939 invasion of what nation prompted Britain and France to enter World War II after the bombing of Warsaw?
ANSWER: Republic of **Poland** [or Rzeczpospolita **Polska**]

2. Calderas are formed from the collapse of these objects, which can be divided into composite, shield, and cinder cone types. The Hawaiian Islands were formed from these landforms, which are most commonly found in the Ring of Fire. For 10 points, name these landforms that can be classified as active, dormant, or extinct based on the time they last erupted.
ANSWER: **volcano**es

3. In this novel, the Grand Academy is located at Balnibari, magicians appear in Glubbdubdrib ("GLUB-dub-drib"), and Struldburgs ("STRULED-burgs") appear in Luggnagg ("LUG-nag"). Humans in this novel are ruled by horses in Houyhnhnm ("WHEE-num"). The Yahoos, Laputa, and Lilliput appear in, for 10 points, what novel by Jonathan Swift?
ANSWER: ***Gulliver's Travels***

4. Maria Callas, nicknamed "The Divine," had this vocal range. One aria sung in this voice promises revenge against Tamino and Pamina and is named for its singer, the Queen of the Night. That aria contains several series of high C's, and the lowest notes this voice calls for is the A below the staff. One subtype of this voice is called the coloratura. For 10 points, name this vocal range which is above the alto.
ANSWER: **soprano**

5. Frederick Muhlenberg was the first person to hold this office. This office is granted appointment power for select and conference committees. It confers the ability to schedule legislation for the floor and the person in this position controls the flow of debate. It is second in the line of presidential succession. For 10 points, what position was previously held by Dennis Hastert and is currently held by Nancy Pelosi?
ANSWER: **Speaker of the House** of Representatives

6. It was the subject of a Scientific American special report dealing with Modified Newtonian Dynamics by Mordechai Milgrom ("MOR-de-kye MILL-grum"). This substance was first proposed in 1934 by Fritz Zwicky ("ZWICK-ee") to make up for "missing mass" in the universe. Its non-baryonic ("NON BARE-ee-on-ick") variety contains no mass. For 10 points, identify this type of matter in the universe named due to its unobservability.
ANSWER: **dark matter** [accept **dark** matter after "matter" is read]

7. A self-help book by Spencer Johnson asks "Who Moved?" this object. The main character of the title "Fairly Stupid Tale" in a collection by Jon Scieszka ("SHEESH-kuh") is a man made of a "stinky" kind of this food. In "The Farmer and the Dell," it stands alone. The moon is not actually made of a green version of it. For 10 points, name this dairy product that comes in provolone and Swiss varieties.
ANSWER: **cheese** [accept ***Who Moved My Cheese?*** before "this object"]

8. Before he was born, his parents learned that he was not to touch a dead body, and he was to abstain from strong drink. He was involved with a Timnite woman and a harlot before meeting the woman that would betray him. He died during the collapse of a temple to Dagon ("DAY-gon"), but by destroying it, he got his revenge on the Philistines. For 10 points, name this lover of Delilah who lost his power after his hair was cut.
ANSWER: **Samson**

9. This shape is traced out by the set of all points that are equidistant from a focus and a directrix ("dir-ECK-tricks"). It is the only conic section that can be graphed as a function. It is the shape of the height versus time graph of a ball tossed straight in the air. For 10 points, identify this shape that is traced out by the graph of any quadratic function.
ANSWER: **parabola**

10. In one novel, this writer depicted Ratcliffe's impressment of a character who is accused by John Claggart of fomenting a mutiny before being hanged by Edward Fairfax Vere. This writer also wrote about Starbuck, Queequeg ("KWEE-kwaig"), and Ishmael, shipmates on the *Pequod* dragged into Ahab's obsession with pursuing a white whale. For 10 points, name this American writer who wrote *Billy Budd* and *Moby Dick*.
ANSWER: Herman **Melville**

11. This man overthrew General Ahmed Hassan al-Bakr ("AH-med huh-SAHN all BAHK-ur") in 1979. Under his government, the town of Halabja ("huh-LOB-jah") was bombed during his nation's war with Iran. He ordered an invasion of Kuwait that sparked the First Gulf War. He was captured by American forces on December 13, 2003. For 10 points, name this former leader of Iraq who was executed in 2006.
Answer: **Saddam Hussein** [accept either underlined name]

12. Theories attempting to identify the works of this man by the occurrence of fractal patterns within them have been debunked. He stopped giving proper titles to his paintings, instead identifying them in such ways as *No. 3, 1949*, sometimes known as *Tiger,* and *Number 1, 1950*, sometimes known as *Lavender Mist.* For 10 points, name this Abstract Expressionist pioneer of "action painting," sometimes known as "Jack the Dripper."
ANSWER: (Paul) Jackson **Pollock**

13. After the end of this book, Doug Hoo becomes an Olympic medalist, but during it, his parents own a Chinese restaurant. In this book, J.J. Ford recognizes some clues, taken from America the Beautiful, to be like a Queen's Sacrifice. Sydelle ("sid-ELL") Pulaski is involved in this book by mistake, and Angela Wexler turns out to be the bomber. For 10 points, name this game in which Turtle solves the title puzzle to win Sam's money.
ANSWER: *The **Westing Game***

14. The Aufbau ("OUF-bou") principle explains how these particles are placed in their "shells." The discovery of these particles in cathode rays by J.J. Thomson led him to formulate the plum pudding model. The charge on one of these particles is also known as the fundamental charge. In the Bohr model of the atom, these particles orbit the nucleus. For 10 points, name these negatively charged particles.
ANSWER: **electron**s

15. At the end of this novel, one character briefly reunites with her mother Gudule ("guh-DOOL"). Also at the end of this novel, Fleur-de-lys ("FLEWER-de-lee") marries that character's lover Phoebus de Chateaupers ("FEE-bus deh SHAT-oh-per"). For 10 points, name this French novel depicting the lovely gypsy Esmeralda and the title character Quasimodo, characters created by Victor Hugo.
ANSWER: *The **Hunchback of Notre Dame***

16. This document replaced the word "property" in John Locke's list of unalienable rights, listing instead "the pursuit of happiness." It was written by a committee including John Adams and ended with fifty-six signatures, the largest of which was John Hancock's. For 10 points, Thomas Jefferson was the lead author of what document attacking George III, signed in Philadelphia in the summer of 1776?
ANSWER: **Declaration of Independence**

17. This figure met his demise when he was struck by a piece of wood from his own vessel. While in Colchis ("COAL-chiss") visiting King Aeetes ("ay-EE-tees"), he accomplished such tasks as yoking fire-breathing oxen and dispatching a group of warriors that sprang forth after dragon teeth were sown into the ground, all to get the Golden Fleece. He was aided in these tasks by his future wife Medea. For 10 points, name this leader of the Argonauts.
ANSWER: **Jason**

18. The poorwill is the only bird to demonstrate this behavior, which can be defined as sustained torpor. It is called estivation ("ess-tiv-AY-shun") if it occurs during the summer. Animals must either collect or eat lots of food during the fall so that they do not starve while doing it. For 10 points, name this behavior in which an animal goes into a deep sleep for the entire winter.
ANSWER: **hibernation** [accept word forms]

19. This man almost lost his Senate seat in the 1998, surviving a challenge from future colleague John Ensign, and he is expected to have a tough re-election in 2010 against Sue Lowden or Danny Tarkanian. He commented that Barack Obama was "light-skinned" and "spoke with no Negro dialect, unless he wanted one." For 10 points, name this senior Senator from Nevada, the current Senate Majority Leader.
ANSWER**:** Harry Mason **Reid**

20. The deepest point in this body of water is known as Calypso Deep. Biomes around it include the garrigue ("garr-REEG") and the maquis ("mah-KEE"). Major cities on this sea include Ajaccio ("eye-YAWX-ee-oh"), Palermo, and Beirut, while its largest islands include Cyprus, Crete, Sardinia, and Sicily. The Strait of Gibraltar is the western boundary of, for 10 points, what sea between Europe and Africa?
ANSWER: **Mediterranean** Sea

Extra. This man's view of history was later termed "dialectical materialism." This author of *Das Kapital* wrote a work with Frederick Engels that opens with the claim that "a spectre is haunting Europe" and urges, "Workers of the world, unite!" For 10 points, name this German who co-authored *The Communist Manifesto*.
ANSWER: Karl (Heinrich) **Marx**

2010 CMST – Round 9

Bonuses

1. This man's administration was damaged by the Iran-Contra scandal. For 10 points each:
[10] Name that President during most of the 1980s, a former actor and California governor.
ANSWER: Ronald Wilson **Reagan**
[10] On March 30, 1981, this man shot Ronald Reagan in an attempt to impress Jodie Foster, but failed to kill him.
ANSWER: John **Hinckley**, Jr.
[10] Shortly after Reagan was shot, this recently deceased Secretary of State asserted that he was in charge, forgetting that he was fifth in line, not third.
ANSWER: Alexander Meigs **Haig**

2. For 10 points each, name some things about a musical form:
[10] Johann Strauss Jr. wrote one of these pieces titled after the Blue Danube, while another composer wrote one titled after Mephisto ("meh-FIST-oh").
ANSWER: **waltz**
[10] Waltzes are commonly in this time signature, which denotes three quarter notes per measure.
ANSWER: **3 / 4** ("Three four")
[10] This Hungarian composer of Hungarian Rhapsodies wrote the Mephisto Waltz.
ANSWER: Franz **Liszt**

3. This book's title character goes to a birthday party at Norman Fishbein's house. For 10 points each:
[10] Name this novel about a girl growing up both Jewish and Christian, who ends up running out of a confessional after tearfully apologizing to the priest.
ANSWER: *Are You there God? It's Me, Margaret*
[10] Name the author of *Are You There God? It's Me, Margaret*, who also wrote *Tales of a Fourth Grade Nothing*.
ANSWER: Judy **Blume**
[10] This little brother of Peter Hatcher from *Tales of a Fourth Grade Nothing* later had his own books, including one that calls him "super."
ANSWER: **Farley** Drexel **"Fudge"** Hatcher [accept either; prompt on **Hatcher**]

4. This substance is converted to fuel through either gasification or liquefaction ("LICK-weh-FACK-shun"). For 10 points each:
[10] Name this fossil fuel, whose lignite ("LIG-nite") form contains plant remains.
ANSWER: **coal**
[10] This type of coal, the most abundant, is also referred to as "steam coal" or "steinkhole." Its use has been curbed in recent years, due to some forms containing high amounts of sulfur.
ANSWER: **bituminous** ("bit-TOOM-in-us") [accept **soft** coal; do not accept "subbituminous"]
[10] This form contains more fixed carbon than any other. It is relatively clean to burn, but the cost associated with it, as well as its relative scarcity, have hindered its widespread use.
ANSWER: **anthracite** [accept "hard coal"]

5. For 10 points each, name these South American nations:
[10] In 2006 Evo Morales became the first fully-indigenous president of this nation. He is currently resisting U.S. pressure to eliminate coca farming in its Chapare ("chuh-PAR-ay") Province.
ANSWER: Plurinational State of **Bolivia** [or Estado Plurinacional de **Bolivia**]
[10] This nation's Socialist leader Hugo Chavez recently ordered the termination of a television channel that refused to air his speeches. He frequently leads anti-American tirades from Caracas.
ANSWER: Bolivarian Republic of **Venezuela** [or Republica Bolivariana de **Venezuela**]
[10] This Álvaro ("al-VAR-oh") Uribe-led nation has actively pursued narcoterrorist group FARC, even across its border with Ecuador.
ANSWER: Republic of **Colombia** [or Republica de **Colombia**]

6. For 10 points each, identify the following about the life of Jesus:
[10] This figure was the King of Judaea ("joo-DAY-uh") when Jesus was born, and despite siding with Antony, he kept his position during the rule of Augustus Caesar.
ANSWER: King **Herod** the Great [accept **Herod** I or **Herod**es Magnus; do not accept "Herod Antipater"]
[10] These figures followed the Star of Bethlehem, and Eastern tradition sets their number at twelve. According to Western tradition, this group of figures brought gold, frankincense, and myrrh to the baby Jesus.
ANSWER: **Magi** ("MADJ-eye") [accept Three **Wise Men**]
[10] One of the most notable miracles of Jesus occurred during a wedding at Cana ("KAY-nuh"), where Jesus performed this action.
ANSWER: turn **water** into **wine** [accept any equivalent that includes both water and wine]

7. These diagrams depict autotrophs ("OTT-oh-troffs"), such as plants, at the bottom and apex predators at the top. For 10 points each:
[10] Name these diagrams that show a direct progression of how energy is transferred from autotrophs to herbivores to carnivores.
ANSWER: **food chain**s [or **energy pyramid**s]
[10] This is a system of interconnected food chains that describes energy transfer throughout an ecosystem.
ANSWER: **food web**s
[10] These types of creatures eat both plants and animals, so they occupy the second level on some food chains and higher levels on other food chains.
ANSWER: **omnivore**s

8. For 10 points each, name these national parks located in California:
[10] The O'Shaughnessy ("O SHAW-ness-ee") Dam on the Tuolumne ("too-oh-LUM-nee") River is located in this National Park, which is better known for granite structures such as Half Dome and El Capitan and some namesake waterfalls.
ANSWER: **Yosemite** National Park
[10] This national park, located north of Kings Canyon National Park, contains the world's largest tree, the General Sherman.
ANSWER: **Sequoia** National Park
[10] The Humboldt region of California is home to this National Park that boasts the Douglas fir as well as Hyperion and Lost Monarch, two of the tallest trees in the world.
ANSWER: **Redwood** National Park

9. Howard Carter discovered the treasures of this man's tomb in 1922. For 10 points each:
[10] Name this ruler of Egypt's eighteenth dynasty, who died at age 19.
ANSWER: **Tutankhamen** [or King **Tut**; or **Tutankhaten**]
[10] Tutankhamen, like other rules of the eighteenth dynasty, used this title meaning "great house." More generally, this term refers to any ruler of ancient Egypt.
ANSWER: **pharaoh**
[10] A 2010 study attributed Tutankhamen's death to this disease, spread by the *Anopheles* mosquito.
ANSWER: **malaria**

10. This fourteen-line poetic form was popularized in England by Thomas Wyatt. For 10 points each:
[10] Name this type of poem whose Shakespearean form has rhyme scheme ABAB CDCD EFEF GG.
ANSWER: **sonnet**
[10] This wife of the author of *My Last Duchess* wrote forty-four love sonnets during their courtship; those poems were later published as *Sonnets from the Portuguese*.
ANSWER: **E**lizabeth Barrett **Browning** [accept either]
[10] Sonnet XLIII ("forty-three") from *Sonnets from the Portuguese* begins, "How do I love thee?". Complete the first line of that poem by giving the next five words.
ANSWER: "**let me count the ways**"

11. For 10 points each, name these teams that won the World Series in the 2000's:
[10] This team, which went 86 years without a title, won it all in 2004 and 2007.
ANSWER: **Boston Red Sox** [accept either]
[10] This team got one up on its crosstown rivals by sweeping the World Series over the Houston Astros in 2005.
ANSWER: Chicago **White Sox**
[10] This team, backed by the "Rally Monkey," won it all over the San Francisco Giants in an all-California World Series in 2002.
ANSWER: Los Angeles **Angels** of Anaheim [accept Anaheim **Angels**, as that was their moniker in 2002]

12. This process is measured in becquerels ("BECK-ur-els"), a unit named after the first person to discover this process. For 10 points each:
[10] Name this process by which an unstable atom emits energy as it transforms into another atom.
ANSWER: **radioactive decay** [or **radioactivity**]
[10] This is the term for the amount of time it takes for half of the atoms in a radioactive sample to decay.
ANSWER: **half-life**
[10] Uranium-238 decays into thorium-234 by emitting one of these particles, which is equivalent to a helium nucleus. These particles were also used to bombard a sheet of gold foil in the Rutherford experiment.
ANSWER: **alpha** particles

13. They typically win 90-95% of U.S. House races they are in. For 10 points each:
[10] Give this term given to a candidate running for re-election for a position he currently holds.
ANSWER: **incumbent**
[10] One key reason incumbents win is monetary support they receive from this type of group, which is created to influence political decisions. These groups use lobbyists to advance their agendas.
ANSWER: **interest** groups [accept **Political Action Committees** or **PAC**s]
[10] The ability of incumbents to have their mail paid for by the Federal government is known by this name.
ANSWER: **franking** privilege

14. This man wrote about a mother who, in cahoots with her daughter, schemes to kill a lodger, only to find out that that lodger is her long-lost son, in *The Misunderstanding*. For 10 points each:
[10] Name this 1957 Nobel Prize winner, who was born in Algeria. He wrote about an epidemic in Oran in *The Plague*.
ANSWER: Albert **Camus** ("ca-MOO")
[10] Camus notes that one must imagine the title character happy in an essay on *The Myth of* this character from Greek mythology, who must eternally roll a rock up a hill, only to have it roll back down when it nears the top.
ANSWER: **Sisyphus**
[10] Mersault finds out that his mother died "today. Or maybe yesterday" in a Camus novel about this type of figure. Mark Twain wrote about a "mysterious" one, and Robert Heinlein placed one in "in a strange land."
ANSWER: **stranger** [or *The **Stranger***; or *L'**Etranger***]

15. Zephyr flies in from the west carrying his bride Chloris ("CLOR-is") in this painting. For 10 points each:
[10] Name this Renaissance work in which the title goddess rides in from the sea on a large shell. An attendant nymph prepares to throw a pink robe over her.
ANSWER: The ***Birth of Venus***
[10] This man was a follower of Savonarola ("suh-VON-ah-ROLE-uh") and student of Fra Filippo Lippi ("FRAH fil-LIP-oh LIP-ee"). He painted *The Adoration of the Magi, Mystic Nativity,* and *Primavera* ("PREE-muh-VARE-uh") in addition to *The Birth of Venus*.
ANSWER: Sandro **Botticelli** ("bott-ih-CHELL-ee") [or Alessandro di Mariano di Vanni **Filipepi**]
[10] Botticelli lived and worked primarily in this city and under the patronage of Lorenzo de' Medici. The Duomo ("DWO-mo") of Brunelleschi ("brune-ell-ESH-ee") dominates this city's skyline, and the Uffizi holds many priceless artworks here.
ANSWER: **Florence** [or **Firenze**]

16. James Maxwell explained their stability by showing that these objects could not be solid and must be made up of small particles. For 10 points each:
[10] Name these astronomical objects, the most prominent examples of their type in the solar system. Major ones are denoted by the letters G, F, A, B, and C.
ANSWER: **Saturn**'s **rings**
[10] This Italian astronomer was the first to notice that there were multiple rings around Saturn, separated by gaps. A "division" between the A and B rings is named for him.
ANSWER: Giovanni Domenico **Cassini**
[10] Within the C Ring is a ringlet named for its 1:0 apsidal ("ap-SIDE-uhl") resonance with this largest moon of Saturn and second-largest moon in the solar system.
ANSWER: **Titan** [or **Titan** ringlet]

17. For 10 points each, name these African-American authors:
[10] This man wrote the short story collection *Uncle Tom's Children*. Bigger Thomas is put on trial for killing Mary Dalton in his novel *Native Son*.
ANSWER: Richard (Nathaniel) **Wright**
[10] This African-American woman wrote of Sethe ("SETH-uh"), who kills her daughter, in the novel *Beloved* and is the last American to have won the Nobel Prize for Literature.
ANSWER: Toni **Morrison** [or Chloe Ardelia **Wofford**]
[10] This poet wrote *A Street in Bronzeville* and was the first African-American to receive a Pulitzer Prize for her poetry collection *Annie Allen*.
ANSWER: Gwendolyn (Elizabeth) **Brooks**

18. For 10 points each, identify these figures with multiple heads:
[10] This member of the Hindu "trimurti" ("tree-MOOR-tee") grew five heads so that he could always look at Shatarupa ("SHOT-ah-ROO-pah"). In a contest with Vishnu that was ultimately won by Shiva, he lied about completing the task, and had one cut off in response.
ANSWER: **Brahma**
[10] Due to the jealousy of Circe, this maiden was transformed into a six-headed monster. When travelling between her and Charybdis ("cuh-RIB-diss"), six of Odysseus' men were consumed by this monster.
ANSWER: **Scylla** ("SILL-uh")
[10] After gathering the cattle of this figure with three distinct upper bodies, Heracles tore this son of Chrysaor ("CRY-say-or") into three pieces.
ANSWER: **Geryon**

19. At least one part of this bonus requires computation. The measure of the external angle of a regular polygon is half the measure of an internal angle. For 10 points each:
[10] How many sides does the polygon have?
ANSWER: **6** sides [or **hexagon**]
[10] Drawing all three long diagonals of a regular hexagon divides it into six congruent triangles, each of which has three sixty-degree angles. What eleven-letter term describes those triangles?
ANSWER: **equilateral** triangles [or **equiangular** triangles]
[10] If the length of each side of the regular hexagon is one inch, then how many inches long are the long diagonals?
ANSWER: **2** inches

20. According to the theory of heliocentricity, the earth orbits around this body. For 10 points each:
[10] Name this celestial body worshiped as Helios by the ancient Greeks.
ANSWER: The **Sun** [accept equivalents]
[10] Known as the "Sun King," this French absolute monarch was advised by Cardinal Mazarin ("MAZZ-uh-ran") as a child. He claimed the territories of the Spanish Netherlands in the War of Devolution.
ANSWER: **Louis XIV** [prompt on **Louis**]
[10] Louis XIV commissioned the architect Jules Hardouin Mansart ("ZHOOLS ar-doo-ON mon-SAR") to expand this magnificent palace, which includes the Latona Basin and the Hall of Mirrors.
ANSWER: **Versailles** ("ver-SIGH")

Extra. For 10 points each, answer the following about the Conway Cabal:
[10] The Conway Cabal attempted to dismiss this man as the leader of the colonial forces during the American Revolution. After its failure, this man went on to win the war and become the first president of the U.S.
ANSWER: George **Washington**
[10] The Conway Cabal sought to replace Washington with this general, who took credit for the victory at Saratoga but was replaced by Nathanael Greene after getting walloped at Camden.
ANSWER: Horatio (Lloyd) **Gates**
[10] One member of the Conway Cabal, James Wilkinson, was later involved in the possibly-treasonous activities of this man, who narrowly lost to Jefferson in the 1800 presidential election and shot Alexander Hamilton in a duel.
ANSWER: Aaron **Burr**, Jr