

NMMS (Northmont Middle School)

Round Two

Packets by: David Jones, Emily Bingham, Kara Combs

1. **This organelle is affected in patients with Kearns-Sayre Syndrome and protein transport in this organelle is regulated by the TIM/TOM Complex. This organelle releases Cytochrome C to start apoptosis, and the foldings within this organelle are known as cristae.** For 10 points, what cellular organelle is known as the “Powerhouse” of the cell?

ANSWER: Mitochondria

BONUS: In one scene in this novel, the title character hits Gilbert Blythe with her slate after he makes fun of her red hair. For 10 points each:

[10] The title orphan goes to live with Matthew and Marilla Cuthbert on their farm in what Lucy Maud Montgomery novel?

ANSWER: Anne of Green Gables

[10] Montgomery was an author from what country? In *Anne of Green Gables*, Anne moves from this country’s province of Nova Scotia to the Cuthberts’ farm in Prince Edward Island.

ANSWER: Canada

[10] Another Canadian author is this woman, who wrote about Offred surviving the patriarchal dystopia Gilead in her novel *The Handmaid’s Tale*.

ANSWER: Margaret Atwood

2. **Following this man’s death, his body was hung upside down on a meat hook and paraded through the streets of his country. The Gran Sasso raid was an attempt to rescue this man from prison after he was deposed by Victor Emmanuel III.** This man came to power following the March on Rome with the help of his Blackshirts. Identify this fascist leader who served as Prime Minister of Italy during World War II.

ANSWER: Benito Mussolini

BONUS: For 10 points each, name the following musical terms given a description.

[10] Symbolized by an elongated less than sign is what term which instructs the musician to gradually increase volume?

ANSWER: Crescendo

[10] When a dot appears under a note, it instructs the musician to play that note in what manner which is supposed to sound shortened and detached from the rest?

ANSWER: Staccato

[10] What music theory term is symbolized by a double lowercase “f” and means to play very loudly?

ANSWER: Fortissimo

3. In one novel by this author, Hank Morgan mysteriously wakes up in Medieval England where he replaces Merlin as the king's advisor. In another novel by this man, Edward VI presents a royal seal to prove he is the prince after earlier switching places with the impoverished Tom Cauty. For 10 points, what author of *A Connecticut Yankee in King Arthur's Court* and *The Prince and the Pauper* wrote about the friend of Joe Harper and Huck Finn in *The Adventures of Tom Sawyer*?

ANSWER: Mark Twain

BONUS: For 10 points each, identify these European capital cities.

[10] The Danube River bisects what Austrian capital that is the headquarters of OPEC and location of the Hofburg Palace?

ANSWER: Vienna

[10] The Seine River flows through what French capital that is the location of the Arc de Triomphe?

ANSWER: Paris

[10] Christiania was the original name of what city that currently serves as the capital of Norway?

ANSWER: Oslo

4. A character played by this actor and a character played by Samuel L. Jackson fall to their deaths in the opening scenes of *The Other Guys*. This actor played the title character in *The Tooth Fairy*, which made him the object of ridicule by Triple H. This man is scheduled to play Dr. Smolder Bravestone in the upcoming *Jumanji* remake and he has played Luke Hobbs in the *Fast and Furious* movies. Identify this actor and part-time professional wrestler nicknamed "The Rock".

ANSWER: Dwayne "The Rock" Johnson (accept either underlined answer before mentioned)

BONUS: For 10 points each, answer the following about the three laws of motion.

[10] The laws of motion were formulated by what scientist who invented calculus and proposed the existence of gravity?

ANSWER: Isaac Newton

[10] Newton's first law govern what scientific idea that is often stated as, "An object at rest stays at rest, but an object in motion stays in motion?"

ANSWER: Inertia

[10] Newton's second law is defined by force equals "m" multiplied by acceleration. What does the "m" stand for? In science, this property is often confused with weight.

ANSWER: Mass

5. Early in this musical, one character converses with John Laurens and Hercules Mulligan and that character later begins an affair with Maria Reynolds. Another character in this musical defeats Philip Schuyler in a race for a Senate seat. The final song in this musical is entitled "Who Lives, Who Dies, Who Tells Your Story" and features an appearance by the deceased George Washington. For 10 points, identify this hip-hop musical by Lin-Manuel Miranda.

ANSWER: Hamilton

BONUS: While running for a Senate seat in this state, Abraham Lincoln debated Stephen Douglas. For 10 points each,

[10] Identify this Midwestern state with capital at Springfield.

ANSWER: Illinois

[10] During a showing of *Our American Cousin* at Ford's Theater, Lincoln was assassinated by what actor?

ANSWER: John Wilkes Booth

[10] Lincoln defeated John Breckinridge, John Bell, and Stephen Douglas to become the first American president to represent what political party?

ANSWER: Republican or GOP

6. In one novel, Glimmer dies after this character points out a tracker jacker nest to the protagonist. Thresh spares that protagonist after she confesses to burying this character in the flowers. This character teaches Katniss a four note song that is picked up by the Mockingjays in the arena. For 10 points, identify this 12 year old ally of Katniss, the District 11 tribute to the 74th Hunger Games.

ANSWER: Rue

BONUS: For 10 points each, identify the following TV game shows.

[10] Michael Strahan hosts what ABC game show that sees celebrities play with contestants to give clues and guess certain words and phrases?

ANSWER: *\$100,000 Pyramid*

[10] Chris Harrison currently hosts what trivia game show that has been hosted in the past by Meredith Vierra and Regis Philbin?

ANSWER: *Who Wants to Be a Millionaire*

[10] Pat Sajak and Vanna White recently celebrated their 35th anniversary hosting what popular nightly game show?

ANSWER: *Wheel of Fortune*

7. The first person of this ethnicity to serve in the House of Representatives and Senate was Dan Inouye. Another person of this ethnicity sued the federal government over the constitutionality of Executive Order 9066. During World War II, members of this ethnicity were sent to internment camps, the most famous of which was Manzanar. For 10 points, identify this ethnic group that was the subject of the Supreme Court case *Korematsu v. United States*.

ANSWER: Japanese-American

BONUS: This man's marriage to a Spartan queen was a cause of the Trojan War. For 10 points each,
[10] Identify this mythological prince who was the son of Priam and Hecuba?

ANSWER: Paris

[10] Paris married what daughter of Zeus who was said to be the most beautiful woman in the world?

ANSWER: Helen of Troy

[10] During the Trojan War, Paris fatally wounds what character with an arrow after shooting him in the heel?

ANSWER: Achilles

8. This element is found in the mineral bauxite and this element can be purified in the Bayer process. After silicon, this element is the second most common metallic element in the earth's crust. This mineral is found directly below boron on the periodic table and has atomic number 13. Identify this element with chemical symbol "Al" that is often used as a "foil" to cover leftovers?

ANSWER: Aluminum

BONUS: The title character of this novel escapes the Chateau d'If with the assistance of the "Mad Priest," Abbe Farria. For 10 points each:

[10] In what novel does Edmond Dantes seek revenge on the men who had him imprisoned in the Chateau under the title alias?

ANSWER: *The Count of Monte Cristo*

[10] *The Count of Monte Cristo* was written by what French author?

ANSWER: Alexandre Dumas

[10] "All for one and one for all" is the motto of Aramis, Porthos, and Athos in this other novel by Dumas in which the title characters are members of the Guard of King Louis XIII.

ANSWER: *The Three Musketeers*

9. One artist from this country created a series of frescos entitled *Detroit Industry*. That artist from this country included a controversial depiction of Vladimir Lenin in his most famous work, *Man at the Crossroads*. Another artist from this country surrounded herself with hummingbirds and a small monkey in two of her self portraits which include her iconic unibrow. For 10 points, Diego Rivera and Frida Kahlo were artists from what North American country?

ANSWER: Mexico

BONUS: Answer the following about the American Revolution, for 10 points each:

[10] Shortly before the Revolution began, what colonial figure sent a letter to King George III reading in part "Give me liberty, or give me death"?

ANSWER: Patrick Henry

[10] The Revolutionary War ended with the 22-day siege of what Virginia city where General Cornwallis surrendered?

ANSWER: Battle of Yorktown

[10] What was the name of the treaty signed in a European capital that ended the American Revolutionary war?

ANSWER: Treaty of Paris

10. **During this event, one participant was offered a vinegar-filled sponge when he asked for water, and at the end of this event, its central figure said “It is done.” Prior to this event, the criminal Barabbas was released by Pontius Pilate, and this Biblical event was caused by Judas who sold the central figure for 30 pieces of silver. For 10 points, Mount Calvary was the location of what biblical event that saw the death of Jesus Christ.**

ANSWER: Crucifixion of Jesus (prompt on references to Jesus’s death)

BONUS: For 10 points each, identify these American mythological figures.

[10] What giant lumberjack in American folklore traveled around with a big blue ox?

ANSWER: Paul Bunyan

[10] What was the name of Paul Bunyan’s blue ox? This is also the nickname of a Major League Baseball Hall of Famer who hit 714 home runs.

ANSWER: Babe

[10] What legendary “steel drivin’” railroad worker died after his heart gave out after winning a race against a steam hammer?

ANSWER: John Henry

11. **A comet named Shoemaker-Levy 9 broke apart and collided with this planet in 1994. In 2000, three large storms on this planet merged to create the Oval BA storm. Another storm on this planet is known as the Great Red Spot and this planet’s moons Callisto, Europa, Io and Ganymede are named for Galileo. For 10 points, identify this gas giant that is the fifth planet from the sun and the largest planet in the Milky Way.**

ANSWER: Jupiter

BONUS: For 10 points each, given the following area formulas identify the shape that they correspond to. For example, for the statement “area equals one half base times height”, the corresponding answer would be triangle.

[10] Area equals side length times itself.

ANSWER: Square

[10] Area equals the Greek letter pi multiplied by radius squared.

ANSWER: circle

[10] Area equals one half of the height multiplied by the sum of base one and base two.

ANSWER: Trapezoid

12. **After the title character of this novel is beaten up by some traders who had insulted Aldonza Lorenzo, much of the protagonist’s library is burned by his niece, barber, and priest. This novel’s title character chooses his neighbor Sancho Panza to be his squire, but ignores Sancho when he warns that his master is fighting windmills, not giants. The knightly delusions of the title man comprise, for 10 points, what Spanish novel by Miguel Cervantes?**

ANSWER: Don Quixote

BONUS: This woman supposedly committed suicide from a snakebite. For 10 points each:

[10] Identify this lover of Marc Anthony who ruled for 21 years as Queen of Egypt.

ANSWER: Cleopatra

[10] What son of Akhenaten was the youngest ruler of Egypt at just nine years old? His tomb was excavated by Howard Carter.

ANSWER: King Tutankhamun

[10] Ancient Egyptians were known for using what paper-like material made out of a plant native to the Nile River?

ANSWER: Papyrus

13. This city is home to Lombard Street, which is recognized as the “Crookedest Street in the World”. Alcatraz Island is located just off the coast of the city that lies across a namesake bay from the city of Oakland. Fisherman’s Wharf is in this city, that was hit by an earthquake during the 1989 World Series. For 10 points, identify this California city that is home to the Golden Gate Bridge.

ANSWER: San Francisco

BONUS: Name some winners of the Caldecott Medal for illustrated children’s books, for 10 points each.

[10] In this Maurice Sendak book, Max mysteriously travels from his room to a jungle where the title creatures claim him as their king.

ANSWER: *Where the Wild Things Are*

[10] In what Chris Van Allsburg book do Judy and Peter accidentally produce a monsoon and a lion by rolling the dice?

ANSWER: *Jumanji*

[10] Peter explores his neighborhood while wearing an iconic bright red coat and hat in what Ezra Jack Keats book?

ANSWER: *The Snowy Day*

14. This man fought at the Battle of Carabobo, and this leader freed the cities of Trujillo and Meridas during his Admiral Campaign. This ally of Jose de Sucre attended the Guayaquil Conference and authored a “Letter from Jamaica.” This leader is the namesake of a country whose capital cities are Sucre and La Paz. For 10 points, identify this South American leader known as “The Liberator.”

ANSWER: Simon Bolivar

BONUS: Answer the following about the classification of phyla, for 10 points each:

[10] The phyla nematoda and annelida are comprised of what creatures that come in segmented and round varieties and include leeches?

ANSWER: Worms

[10] Humans belong to the phylum chordata because they possess what structure made up of vertebrae?

ANSWER: Backbone or Spine or Spinal Column (DO NOT ACCEPT “Spinal Cord.”)

[10] What animal in the phylum cnidaria uses an umbrella-shaped bell for movement and can capture prey after administering a painful sting?

ANSWER: Jellyfish

15. A 1973 war named for this holiday pitted Israel against forces from Egypt and Syria. This holiday generally includes readings from the Book of Jonah and the recitation of the Kol Nidre prayer. This holiday occurs on the 10th of Tishrei, nine days after Rosh Hashanah. Jews partake in a 25-hour fast on what holiest day in Islam that is the Jewish Day of Atonement.

ANSWER: Yom Kippur

BONUS: Given a quantity name, identify the following SI base units, for 10 points each.

[10] What is the SI unit for length?

ANSWER: Meter

[10] What is the SI unit for mass?

ANSWER: Kilogram (do not prompt on “gram”)

[10] What is the SI unit for time?

ANSWER: Second

16. This god once had a piece of whetstone lodged in his head and he is married to the golden-haired goddess Sif. This god utilizes a chariot that is pulled by two goats and he failed to lift a cat that is actually his enemy the Midgard Serpent in disguise. For 10 points, identify this god who wielded the hammer Mjollnir and was the Norse god of thunder.

ANSWER: Thor

BONUS: Answer the following about the French Revolution. For 10 points each:

[10] During the French Revolution, what execution device was used to behead many French leaders?

ANSWER: Guillotine

[10] What man was king during the French Revolution and was himself later executed by the Guillotine?

ANSWER: Louis XVI (prompt on “Louis” alone)

[10] What wife of Louis XVI supposedly said “Let them eat cake!” and was also executed during the Revolution?

ANSWER: Marie Antoinette

17. One poem of this type claims that an “autumn sun took my name away” and was collected in *This Other World*, a group of these poems by Richard Wright. Pairs of these poems were gathered in *The Seashell Game* and judged by Basho, who wrote a famous example of this kind of poem about a frog jumping into an ancient pond. Consisting of three lines with 5, 7, and 5 syllables are, for 10 points, what type of Japanese poems?

ANSWER: haiku

BONUS: Geology rocks, literally! For 10 points each, answer the following about rock classification.

[10] What type of rocks are formed from settled particles under pressure? Examples of this type of rock include limestone and sandstone.

ANSWER: Sedimentary

[10] What type of rocks are created from a combination of heat and pressure? Examples of these rocks include slate and marble.

ANSWER: Metamorphic

[10] Igneous rocks have two subclassifications, intrusive and extrusive. Intrusive rocks are formed by magma; however, extrusive rocks are formed from what substance that often covers the outside of a recently erupted volcano.

ANSWER: Lava

18. This psychologist wrote about many of his case studies, including the hysteric Anna O and Little Hans, who feared horses. This psychologist stated that young boys were in love with their mothers and jealous of their fathers in a construct he called the Oedipus Complex. This man proposed the id, ego, and superego, as the three components of the unconscious mind. What Austrian thinker is called the Father of Psychoanalysis?

ANSWER: Sigmund Freud

BONUS: For 10 points each, answer the following about Beethoven's symphonies:

[10] "Recollections of Country Life" is the subtitle of what symphony by Beethoven that was the last one he composed?

ANSWER: Pastoral or Ninth Symphony

[10] The final movement of Beethoven's *Choral Symphony* includes arrangements for what Friedrich Schiller poem?

ANSWER: Ode to Joy

[10] Beethoven's third symphony is known as *Eroica* and was originally dedicated it to what French political leader?

ANSWER: Napoleon Bonaparte (accept either underlined portion)

19. Immature versions of these objects are known as reticulocytes and the Coombs test detects whether or not these objects possess antigens. The inability to break down these cells can lead to jaundice and a deformation of these cells can lead to sickle cell anemia. For 10 points, oxygen is transported through the circulatory system by what hemoglobin containing cells?

ANSWER: Red Blood Cells or Erythrocytes

BONUS: Members of this religious group include Tom Cruise. For 10 points each,
[10] Identify this religion that believes in Xenu, a dictator who killed the people of earth with hydrogen bombs.

ANSWER: Church of Scientology

[10] The Church of Scientology was founded by what man who wrote *Dianetics: The Modern Science of Mental Health*?

ANSWER: L. Ron Hubbard

[10] Another famous Scientologist is what actor best known for his starring roles in *Grease* and *Saturday Night Fever*?

ANSWER: John Travolta

20. This man was the subject of Nikita Khrushchev's "Secret Speech," and this leader's friend, Lavrenty Beria led his secret police force that was called NKVD. This leader sent Ramon Mercader to Mexico in order to assassinate his former rival, Leon Trotsky. For 10 points, identify this "Man of Steel" who led the Soviet Union during World War II after taking power following the death of Vladimir Lenin.

ANSWER: Joseph Stalin

BONUS: This character ends his written confessions with the line "I bring the life of that unhappy Henry Jekyll to an end." For 10 points each:

[10] What evil counterpart to Dr. Jekyll murders Danvers Carew among other dastardly deeds?

ANSWER: Mr. Hyde

[10] What Scottish author wrote *Strange Case of Dr. Jekyll and Mr. Hyde*?

ANSWER: Robert Louis Stevenson

[10] In another novel by Stevenson, *Treasure Island*, this one-legged pirate leads a mutiny aboard the *Hispaniola*. This character names a fast food seafood chain.

ANSWER: Long John Silver

TB: During this war, the Count of Tilly defeated the Bohemian Estates at the Battle of White Mountain. The first Battle of Breitenfeld was won by a king in this war who later died at the Battle of Lutzen, Gustavus Adolphus. This war began after the Second Defenestration of Prague and it was ended by the Peace of Westphalia. For 10 points, what religious war took place in Europe from 1618 until 1648?

ANSWER: Thirty Years' War