

NMMS (Northmont Middle School)
Round Five

Packets by: David Jones, Emily Bingham, Kara Combs

1. As these objects move, they can leave behind a soil called till. The material that is pushed away by these objects can form moraines and they can create steep cliffs called fjords. These objects come in varieties dubbed tidewater, alpine and continental. Icebergs can break off of, for 10 points, what large moving bodies of ice?

ANSWER: Glaciers

BONUS: Name these novels by John Green, for 10 points each.

[10] Margo leaves dead catfish in some of her classmates' homes before running away, much to the dismay of Quentin, in what John Green novel?

ANSWER: Paper Towns

[10] After a possibly intentional car crash, Takumi, The Colonel, and Pudge all deal with the death of the title character in what Green novel?

ANSWER: Looking for Alaska

[10] Gus arranges for he and fellow cancer patient Hazel Grace to fly to the Netherlands to meet the fictional author Peter Van Houten in what most famous John Green novel?

ANSWER: The Fault in Our Stars

2. Practitioners of this religion read the New World Translation of the Holy Scriptures. This sect shuns others through the practice of disfellowshipping, and practitioners sing “kingdom songs” in their places of worship, which are known as Kingdom Halls. Founded by Charles Taze Russell, for 10 points, name this Christian sect which refuses blood transfusions and tries to convert to members by going door to door.

ANSWER: Jehovah’s Witnesses

BONUS: This man has won more major golf tournaments than anyone in history. For 10 points each,

[10] Identify this 77 year old Ohio-born golfer who is known as the “Golden Bear”.

ANSWER: Jack Nicklaus

[10] What tournament held annually in Augusta, Georgia has been won six times by Nicklaus, each time earning him a coveted green jacket?

ANSWER: The Masters

[10] This African-American golfer has the second most major wins of all time with 14. He has been out with a back injury and has missed much of the last three seasons.

ANSWER: Tiger Woods

3. One person with this last name launched Operation Blue Star which led to her assassination by her two Sikh bodyguards. Another person with this last name traveled to Dandi on the Salt March, and advocated for peaceful protests in his policy of “Satyagraha.” For 10 points, what last name was shared by the Indian leaders, Indira and Mohandas.

ANSWER: Gandhi

BONUS: For 10 points each, given a weather scale and description, identify what it measures.

[10] The Beaufort scale measures speed associated with what phenomenon? Zephyr was said to be the Greek deity of this phenomenon.

ANSWER: Wind

[10] What weather phenomenon is measured by the Fujita scale? This phenomenon can often form from funnel clouds.

ANSWER: Tornado

[10] What other weather phenomena is measured on the Saffir-Simpson scale? This weather phenomenon is assigned names each year, such as Hugo or Katia.

ANSWER: Hurricanes

4. In one story by this author, the narrator bricks up the body of his wife, only to discover that he has buried the title animal alive inside as well. The narrator of another of this author's stories confesses to the murder of an old man with a blue "vulture eye" after hearing the title object that he buried under the floorboards. In a poem by this author, the narrator asks the title character about his lost love Lenore to which that character only replies "Nevermore." For 10 points, identify this American author of "The Black Cat," "The Tell Tale Heart," and "The Raven."

ANSWER: Edgar Allan Poe

BONUS: "Che gelida manina" is one aria in this opera. For 10 points each:

[10] Identify this opera that ends with Mimi dying of tuberculosis in Rodolfo's arms?

ANSWER: La Boheme

[10] *La Boheme* is by Giacomo Puccini, who is a musician from what European country?

ANSWER: Italy

[10] What Jonathan Larson musical about the AIDS epidemic is a modern re-telling of *La Boheme*?

ANSWER: Rent

5. This nation shares the Ban Gioc Waterfall with its northern neighbor and its Halong Bay is a UNESCO World Heritage Site. This country is bordered on its east by the Gulf of Tonkin and it is the site of the Mekong River delta. For 10 points, identify this Asian nation bordered by China, Laos and Cambodia that has its capital at Hanoi.

ANSWER: Vietnam

BONUS: Answer the following about the history of a current US state. For 10 points each:

[10] What US state has a "Lone Star" Flag and has its capital at Austin?

ANSWER: Texas

[10] During the Texas Revolution, Davy Crockett, Jim Bowie, and William Travis fought to defend what mission located in San Antonio?

ANSWER: Alamo

[10] What Mexican military leader fought against the Texas revolutionaries at the Battle of the Alamo?

ANSWER: Antonio Lopez de Santa Anna

6. After failing to convince Poseidon to help the Achaeans during the Trojan War, this deity recruited Hypnos to trick Zeus into falling asleep. This deity, who promised Paris rule over all of Asia, was tricked by her husband into marrying him after he appeared to her as a cuckoo. This goddess turned Io into a cow and sent a gadfly to sting her after taking the eyes of Argus and placing them on her peacock. For 10 points, identify this wife of Zeus whose Roman counterpart was Juno.

ANSWER: Hera

BONUS: Answer the following about genetics, for 10 points each:

[10] In Klinefelter's Syndrome, males have an extra one of what chromosome that includes condensed genetic information?

ANSWER: X Chromosome (Prompt on partial answer. Do not accept or prompt on "Y chromosome")

[10] The average human has how many pairs of chromosomes?

ANSWER: 23

[10] Recessive mutations associated with the X chromosome include what condition in which people have issues determining between red and green?

ANSWER: Color Blindness

7. The force needed to expand or compress these objects is directly proportional to their namesake constant and the change in distance from their original position according to Hooke's law. Along with pendulums, these objects are considered to be a simple harmonic oscillators. For 10 points, what metal coils are commonly found in retractable pens?

ANSWER: Springs

BONUS: This man made his son, William, the governor of New Jersey. For 10 points each:

[10] Identify this early American scientist who allegedly discovered electricity while flying a kite during a lightning storm.

ANSWER: Benjamin Franklin

[10] Ben Franklin served as the first US ambassador to what European country?

ANSWER: France

[10] Franklin used the pen name "Poor Richard" to publish a yearly version of what reference book that would predict weather forecasts?

ANSWER: Almanac

8. In this novel, the arrival of one character on an elevator triggers the disappearance of the sun. A climactic scene in this novel involves Chuck jumping in front of a knife. Sequels to this novel are entitled *The Scorch Trials* and *The Death Cure*. In this novel, it is revealed that WICKED is running an experiment on the central group of Gladers, including Alby, Teresa, and Thomas. What is this young adult novel by James Dashner?

ANSWER: *The Maze Runner*

BONUS: Answer the following about American artist Andy Warhol for 10 points each:

[10] Andy Warhol was the primary leader of what art movement that focused on mass culture?

ANSWER: Pop Art

[10] Warhol is probably best known for his depictions of what red-and-white labeled objects that come in tomato and chicken noodle varieties?

ANSWER: Campbell's Soup Cans

[10] Valerie Solana attempted to assassinate Warhol in his personal studio, The Factory, which is located in what American city?

ANSWER: New York City or NYC

9. **Aftering the USSR invaded this country in 1979, the US offered support to the Mujahideen rebels. The US invaded this country in 2001 after 9/11 as part of Operation Enduring Freedom. In 1996, control of this country's government was seized by the Taliban.** Osama bin Laden spent years living in, for 10 points, what Asian country that has its capital at Kabul?

ANSWER: Afghanistan

BONUS: In this story, Diana Moon Glampers, the Handicapper General, forces citizens to wear weights if they are strong and radios in their ears if they are intelligent. For 10 points each:

[10] The title character and his ballerina "Empress" are shot for removing their handicaps and kissing in what short story?

ANSWER: "Harrison Bergeron"

[10] "Harrison Bergeron" is by this author, who also wrote about Billy Pilgrim becoming "unstuck in time" in *Slaughterhouse-Five*.

ANSWER: Kurt Vonnegut

[10] Billy must hide out in the title *Slaughterhouse Five* during the firebombing of Dresden by the UK and US, which occurred during what war?

ANSWER: World War II

10. **When these numbers are one less than a power of two, they are named for Mersenne. Any number greater than two can be expressed as two of these numbers added together according to Goldbach's Conjecture.** For 10 points, the Sieve of Eratosthenes can be used to find what type of numbers that can only be divided by one and itself?

ANSWER: Prime Numbers

BONUS: Answer the following about a Middle Eastern religion. For 10 points each:

[10] The Five Pillars are associated with what religion whose god is known as "Allah?"

ANSWER: Islam (Accept "Muslim")

[10] What name is given to the holy book of Islam that was revealed to the prophet Mohammad?

ANSWER: Qur'an

[10] Chapters in the Qur'an are given what name? Examples of these include the "Cow" and the "Flame".

ANSWER: Surah

11. **One version of this disease is caused by attacks on beta cells in the Islets of Langerhans, and the injection of glucagon can be used to counter this disease. Obesity is often the cause of this disease in adults, and this disease comes in type I and II varieties.** Many people with this disease must carry insulin. For 10 points, what pancreatic disease is associated with the inability to regulate blood glucose levels?

ANSWER: Diabetes

BONUS: This author based one of his works of fiction on his time driving an ambulance in Italy during World War I. For 10 points each:

[10] Name the expatriate author of the novel *A Farewell to Arms*.

ANSWER: Ernest Hemingway

[10] Hemingway set *The Sun Also Rises* in Pamplona, where the characters watch the annual “running” of these animals. In the novel, Pedro Romero professionally fights these animals as a toreador.

ANSWER: bulls

[10] Hemingway set this other novel about Robert Jordan in Spain, basing this novel off of his time fighting in the Spanish Civil War.

ANSWER: For Whom the Bell Tolls

12. **This man added a namesake “Corollary” to the Monroe Doctrine and this man would run for President on the “Bull Moose” Party ticket. Along with Leonard Wood, this man led the “Rough Riders” during the Spanish American war and would be succeeded in office by William Howard Taft.** For 10 points, identify this 26th President who took office upon the death of William McKinley.

ANSWER: Theodore “Teddy” Roosevelt (Prompt on only “Roosevelt”)

BONUS: Identify these mountains, for 10 points each.

[10] What Alaskan mountain formerly named for a US President is the tallest in the United States? We will accept the current or former name.

ANSWER: Mount McKinley or Denali

[10] What mountain located in Tanzania is the tallest mountain in all of Africa?

ANSWER: Mount Kilimanjaro

[10] What mountain in the Himalayas is located on the border of China and Nepal and is the tallest mountain in the world?

ANSWER: Mount Everest

13. **The seventh movement of this composition includes an offstage women’s chorus while the fourth movement of this composition includes the Cecil Spring-Rice poem, “I Vow to Thee, My Country.” Movements in this work are subtitled, “The Magician,” “The Mystic,” and “Bringer of Jollity.”** What Gustav Holst composition includes movement titled for Neptune, Mars, and Jupiter?

ANSWER: The Planets

BONUS: Identify the following organelles. For 10 points each:

[10] What “packaging center” comes in smooth and rough variants?

ANSWER: E.R. or Endoplasmic Reticulum

[10] What organelles are only found in plants and are the site for photosynthesis?

ANSWER: Chloroplast

[10] What organelles, which are named for an Italian scientist, contain flattened sacs called Cisternae?

ANSWER: Golgi Apparatus (Accept “Golgi body”)

14. In a William Faulkner short story titled for one of these objects “for Emily,” the death of the title character leads the town to discover the body of Homer Barron in her home. In a Robert Burns poem, the speaker compares his love to a “red, red” one of these objects “that’s newly sprung in June.” A popular rhyme describes sugar as sweet, violets as blue, and these objects as red. Name this type of flower that often is used to symbolize love.

ANSWER: roses (prompt on “flower”)

BONUS: This man led the First Triumvirate with Pompey and Crassus. For 10 points each:

[10] Marc Anthony gave a famous funeral oration of what ruler of the Roman Republic who was named “Dictator for Life”?

ANSWER: Julius Caesar

[10] Though warned by his wife, Julius Caesar went to the Senate on what specific day on which he was assassinated?

ANSWER: Ides of March or March 15

[10] Before dying Julius Caesar asked, “Et tu [what man]”, who along with Crassius lead the conspiracy against Caesar?

ANSWER: Brutus

15. This singer co-founded a production team known as The Smeezingtons that wrote Travie McCoy’s song “Billionaire”. This man’s debut album was entitled Doo-Wops and Hooligans and featured a song that opens with the line “Today I don’t feel like doing anything”. For 10 points, identify this R&B singer who has had hits with “Locked Out of Heaven” and “The Lazy Song” and who collaborated with Mark Ronson on “Uptown Funk”.

ANSWER: Bruno Mars OR Peter Gene Hernandez

BONUS: This text begins “Our father in heaven, hallowed be thy name”. For 10 points each,

[10] Identify this prayer that is first recounted in the Gospel of Matthew.

ANSWER: Lord’s Prayer

[10] The Lord’s Prayer first appears in the Gospel of Matthew during what “Sermon” that is given by Jesus?

ANSWER: Sermon on the Mount

[10] The Lord’s Prayer is often said today before what activity in which churchgoers consume bread and wine that are the body and blood of Christ?

ANSWER: Holy Communion

16. This god drank a poison called Halahala which turned his throat blue and he rides a bull named Nandi. This god’s sons include Kartikeya and the elephant-headed, Ganesh. This god is married to Parvati, and his hair is the Ganges River. For 10 points, what “Destroyer” god makes up the Hindu Trimurti along with Brahma and Vishnu?

ANSWER: Shiva

BONUS: Answer the following about Native American mythology. For 10 points each:

[10] Along with coyote, what bird often plays the role of a trickster god in Native American folklore?

ANSWER: Raven

[10] According to the Iroquois myth system, the world exists on the shell of what animal?

ANSWER: Turtle (Do not accept "Tortoise")

[10] According to the Hopi system, the creator is a woman named for what creature? Anansi in African mythology takes the form of this creature.

ANSWER: spider

17. **This city was home to the 12th Street Race Riots and the Battle of the Overpass took place in this city. A former mayor of this city, Kwame Kilpatrick, was charged with corruption in 2008 and this city is the site where** Motown Records was founded. General Motors and Ford are centered in a suburb of this city whose current mayor is Mike Duggan. For 10 points, identify this largest city in Michigan.

ANSWER: Detroit

BONUS: Identify the following metals on the periodic table. For 10 points each:

[10] What transition metal has the atomic number 28, is symbolized Ni, and shares its name with a denomination of US currency?

ANSWER: Nickel

[10] What metal has the atomic number 82 and is symbolized, Pb? The use of this element in paint and gasoline has been banned.

ANSWER: Lead

[10] What alkali metal has the atomic number 11, symbolized by Na, and is used in table salt along with Chloride?

ANSWER: Sodium

18. **Toward the end of this novel, the phrase "but some are more equal than others" is added to the seventh commandment originally outlined after a revolt against Mr. Jones. Snowball proposes a windmill for the title location, though Napoleon claims the idea as his own before he begins walking on two feet like a human. Leon Trotsky and Josef Stalin are allegorized as two pigs in what novel by George Orwell?**

ANSWER: Animal Farm

BONUS: One famous practitioner of this field of study proposed the "four field approach" and advocated cultural relativism. For 10 points each:

[10] What field of study investigates the cultures of past and present societies? The name of this field translates as "the study of man."

ANSWER: Anthropology

[10] This is the previously mentioned anthropologist who proposed physical and cultural components of anthropology in his four field approach. This man established the first anthropology department at Columbia University.

ANSWER: Franz Boas

[10] Boas also discussed this subfield of anthropology in his four field approach. This field studies ancient times in part by digging up artifacts and bones at excavation sites.

ANSWER: Archaeology

19. Along with Satyendra Bose, this scientist names a condensate that is considered to be the fifth stage of matter, and this man authored four articles about physics called the *Annus Mirabilis* papers. This scientist discovered the photoelectric effect and formulated special and general relativity. For 10 points, what scientist created the equation $E = mc^2$?

ANSWER: Albert Einstein

BONUS: This man was excommunicated at the Diet of Worms. For 10 points each:

[10] What religious reformer advocated for justification by faith alone and lends his name to a Protestant denomination.

ANSWER: Martin Luther

[10] Martin Luther began the Protestant Reformation by nailing how many of these documents to a church door in Wittenberg?

ANSWER: 95 Theses

[10] Martin Luther was the first person to translate the Bible into what European language?

ANSWER: German

20. This architect's Mayan-Revival Style Imperial Hotel was damaged by the 1923 Tokyo Earthquake. In the United States, this architect built personal studios in Wisconsin and Arizona called Taliesin East and West. This architect's most famous building was constructed for the Kaufmann family and overlooks the Bear Run River in Pennsylvania. For 10 points, what American architect created Fallingwater?

ANSWER: Frank Lloyd Wright

BONUS: Identify the languages that the following literary works were written in, for 10 points each:

[10] Chinua Achebe's *Things Fall Apart* and Salman Rushdie's *Midnight's Children* are in this language. Many works written in formerly colonized countries like Nigeria and India are in this language.

ANSWER: English

[10] *One Thousand and One Nights*, which includes "Ali Baba and the 40 Thieves" and "Aladdin's Wonderful Lamp," was written in this language. Contemporary Egyptian authors like Naguib Mahfouz used this language for their works.

ANSWER: Arabic

[10] Antoine de Saint-Exupéry wrote about the title resident of Asteroid B-612 in *The Little Prince*, in this language. Other authors who wrote in this language include Jules Verne and Victor Hugo.

ANSWER: French

TB: The main character of this novel takes Sally Hayes on an ice-skating date and impulsively asks her to live in the wilderness with him. After losing the fencing team's equipment and being expelled from Pencey Prep, this novel's main character wanders around New York City, where he visits the Museum of Natural History and the Central Park Zoo with his sister Phoebe. The moody Holden Caulfield calls everyone a "phony" in what J.D. Salinger novel?

ANSWER: *The Catcher in the Rye*