

Round 7

First Half

1. **An isotope of this element containing one neutron is known as deuterium, with its most common isotope being protium. In stars, this element undergoes the fusion process to become (*) helium. The most abundant element in the universe is, for 10 points, which element that contains only one proton and has the chemical symbol "H"?**

ANSWER: Hydrogen (accept H before read)

Bonus 1. Answer the following about scientific classification for 10 points each.

[10] The modern system of scientific classification was devised by this Swedish scientist who gave species Latin names.

ANSWER: Carolus Linnaeus

[10] Above the level of family in the system of scientific classification is this level. In birds, an example of this level is Passeriformes, which includes roughly 50% of all bird species, including crows, sparrows, and many others.

ANSWER: Order

[10] This is the Latin species name used for lions as well as a zodiac sign and a papal name.

ANSWER: Leo

2. **In Book V of *The Iliad* this goddess was stabbed by Diomedes while rescuing her son from battle. Among this goddess's (*) mortal lovers were the Trojan Anchises, the father of Aeneas, and Adonis. For 10 points, name this wife of Hephaestus and Greek goddess of love.**

ANSWER: Aphrodite

Bonus 2. For 10 points, name some things about the legendary founding of Rome.

[10] Rome traces its ancestry back to this Trojan prince, who married into the family of the king of Latium following the Trojan War and united the peoples of Troy and Latium.

ANSWER: Aeneas

[10] This founder and namesake of Rome and descendant of Aeneas killed his twin brother. The twin princes were abandoned, intended to be killed, and were raised by a she-wolf until adulthood, when they came into conflict with their grandfather and took control of the city.

ANSWER: Romulus

[10] Romulus and Remus used this method to determine which of them the gods favored to build and rule the city. They came into conflict with the result of this method. Description acceptable.

ANSWER: Augury [or watching for birds-- accept any answer implying watching the sky]

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3. **An author with this first name wrote about Bathsheba Everdene marrying Gabriel Oak in *Far from the Madding Crowd*. That title comes from another author with this first name, who wrote that line in his (*) "Elegy Written in a Country Churchyard."** For 10 points, name this first name of writers Hardy and Gray, also the surname of the poet who wrote "Do Not Go Gentle Into That Good Night."

ANSWER: **Thomas** (accept Thomas Hardy, Thomas Gray, Dylan Thomas)

Bonus 3. The tiger Shere Khan hunts the protagonist of this work. For 10 points each,
[10] Name this collection of works that includes the adventures of Mowgli the man cub.

ANSWER: **The Jungle Book**

[10] The Jungle Book also includes a tale about this title mongoose who defends a family against the cobras Nag and Nagaina.

ANSWER: **Rikki-Tiki-Tavi**

[10] This author of *Kim* and "Gunga Din" wrote *The Jungle Book*.

ANSWER: Rudyard **Kipling**

4. **Oral historians in this empire known as griots would perform in its major cities of Djenne, Gao, and Timbuktu. One ruler of this empire devalued the price of gold during his luxurious (*) pilgrimage to Mecca.** Sundiata founded, for 10 points, which African empire which gained wealth through the salt and gold trades and was later ruled by Mansa Musa?

ANSWER: **Mali** Empire (also accept Manden Kurufaba) (do not accept Mandinka Empire)

Bonus 4. Answer the following about the history of Alaska, for 10 points each.

[10] Alaska was purchased by the USA from this country. It was controversial at the time.

ANSWER: **Russia** or Russian Empire (do not accept Soviet Union)

[10] Due to Alaska being seen as a strategically insignificant wasteland, it was known as this man's folly. As Secretary of State, this man negotiated the purchase of Alaska.

ANSWER: William **Seward**

[10] While Sitka was the colonial capital of Alaska, and Juneau is the present capital, this city has been Alaska's largest by population since it became a state.

ANSWER: **Anchorage**

5. **This instrument is the first to come in after the snare drums in "Bolero" by Ravel. This instrument represents the Bird in Prokofiev's "Peter and the Wolf" and one of Mozart's (*) operas includes this instrument as part of its title.** For 10 points, which instrument is classified as a woodwind instrument even though wood is not required for it to play and is akin to a larger version of the piccolo?

ANSWER: **Flute**

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Bonus 5. For 10 points each, answer the following about inspiration in music:

[10] Beethoven was inspired by this military leader and initially dedicated his Eroica Symphony to him. Beethoven later changed his mind, though, and angrily withdrew the dedication.

ANSWER: **Napoleon Bonaparte** (accept either underlined portion)

[10] This American composer of *Rodeo* (ro-DAY-oh) and *Fanfare for the Common Man* included the Shaker hymn "Simple Gifts" in his ballet, *Appalachian Spring*.

ANSWER: Aaron **Copland**

[10] Copland's *Lincoln Portrait* also quotes "Camp Town Races," a folk song written by this prolific American songwriter of the 19th century.

ANSWER: Stephen **Foster**

6. Despite being pregnant on 17 occasions, this Queen never had any children and was the last head of state in her family. After the 1706 and 1707 Acts of Union, this daughter of James II became the first monarch to rule the United Kingdom. (*) For 10 points, name the last Queen of the House of Stuart, who names a type of flower and a war, but is not the namesake of Maryland's capital.

ANSWER: Queen **Anne**

Bonus 6. The last significant battle in this war was the Battle of Bosworth Field. For 10 points each:

[10] Name this war between the Houses of Lancaster and York. This war, named for the flower used in the symbol of both houses, led to the ascension of Henry VII [[the seventh]]

ANSWER: **Wars of the Roses**

[10] Henry VII [[the seventh]] was a member of this house. This house led England until the death of Elizabeth I.

ANSWER: House of **Tudor**

[10] The Battle of Bosworth field resulted in the death of a king of this name. The first king of this name, nicknamed the Lionheart, led England into the Third Crusade.

ANSWER: **Richard**

7. This term refers to a chemical compound formed from the reaction of an acid with a base. This term also refers to a substance that as a mineral is known as halite, and whose chemical formula is (*) NaCl. For 10 points, name this substance that makes up approximately 3.5% of the weight of the ocean and gives seawater its distinctive taste.

ANSWER: **Salt** (do not accept sodium chloride or NaCl)

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Bonus 7. For 10 points, answer the following about members of the deer family.

[10] This species of deer, the most widespread throughout Eastern North America is named for a colored appendage. It has seen its numbers grow rapidly as it now largely lacks natural predators.

ANSWER: **White-tailed** deer

[10] An endangered dwarf species of the White-tailed deer can be found in this archipelago off the southern tip of the Continental USA.

ANSWER: Florida **Keys**

[10] This largest member of the deer family has seen its numbers rise in the northeastern USA of late, leading to many signs warning cars of collisions with this animal

ANSWER: **Moose**

8. **This letter with a bar over it denotes the average of a set. The independent variable in a relation is often given by this (*) letter, which, in the Cartesian plane, denotes the horizontal axis.** For 10 points, give this number that, as a Roman numeral, indicates a value of 10, and which is often used to denote an unknown in algebra.

ANSWER: **x**

Bonus 8. This type of function spits out the same value no matter what was inputted into it. For 10 points each,

[10] The additive one of these is zero, as zero plus any other number is equal to that number.

ANSWER: **Identity**

[10] The number 1 is the identity for this mathematical operation. When you perform this operation on 10 and 20, you get 200.

ANSWER: **Multiplication**

[10] These rectangular arrays of numbers can only be multiplied when the number of columns of the first one of these is equal to the number of rows of the second one. The identity of multiplication of these consists only of zeroes and ones.

ANSWER: **Matrix** [or **Matrices**]

Halftime

Lightning Rounds

1. Julius Caesar
2. Weather
3. The Odyssey

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Julius Caesar

In the life of Julius Caesar, name the...

(1) Italian civilization he ruled as dictator.

ANSWER: **Rome** (accept **Roman** Empire; accept **Roman** Republic)

(2) Elected office he held before seizing power, the chief magistrate of his country.

ANSWER: **consul**

(3) Roman day on which he was killed. It corresponds to the 15th of a certain month.

ANSWER: **Ides of March** (accept **March 15**)

(4) Prominent river of Northern Europe that Caesar became the first Roman general to build a bridge across

ANSWER: **Rhine**

(5) Region where he defeated Vercingetorix and wrote a set of commentaries on that war.

ANSWER: **Gaul** (accept **Gallia**; accept Commentaries on the **Gallic** War)

(6) River he crossed to start a civil war, where he said “the die is cast.”

ANSWER: **Rubicon**

Weather

Name the...

(1) Temperature scale used in the USA where 100 degrees equals a hot summer day.

ANSWER: **Fahrenheit** scale

(2) Region of the American Great Plains named for its high prevalence of twisters.

ANSWER: **Tornado Alley**

(3) Type of scientist that specializes in weather forecasting.

ANSWER: **meteorologist**

(4) Icy precipitation formed in updrafts within thunderstorms.

ANSWER: **hailstones**

(5) Layer of the atmosphere in which basically all of the earth’s weather occurs.

ANSWER: **troposphere**

(6) Scale that measures the intensity of hurricanes, from Category 1 to 5.

ANSWER: **Saffir-Simpson** hurricane wind scale

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The Odyssey

In the epic poem the Odyssey, who or what is...

(1) The poem's author, who also wrote the Iliad?

ANSWER: **Homer**

(2) The legendary Greek war that Odysseus spends ten years returning from?

ANSWER: **Trojan** War

(3) The type of creature that Polyphemus is? Odysseus blinds this creature after claiming his name is "no one."

ANSWER: **cyclops**

(4) Odysseus's wife, who repeatedly unwinds her weaving so she does not have to choose a new husband?

ANSWER: **Penelope**

(5) The type of phenomenon Charybdis [kah-rib-diss] is, which sits across a narrow channel from the sea monster Scylla?

ANSWER: **whirlpool**

(6) The witch, a daughter of Helios who transforms Odysseus's men into pigs?

ANSWER: **Circe**

Second Half

9. The element newtonium was hypothesized to exist in this region before it was proven that newtonium does not actually exist. Magnetic fields cause large loops in this region, whose temperature is in excess of (*) one million kelvins. For 10 points, what outermost region of the sun is most visible during a solar eclipse?

ANSWER: **Corona**

Bonus 9. For 10 points each, answer the following questions about an ancient scientist.

[10] This Greek scientist is considered the foremost mathematician of antiquity and he devised a namesake screw that can lift water out of a ship's hull using a spiral.

ANSWER: **Archimedes**

[10] Archimedes was killed by Roman soldiers on this large island in the city of Syracuse. It's the largest island in Italy today.

ANSWER: **Sicily**

[10] Archimedes is said to have exclaimed this word, meaning "I have found it" in Greek when he discovered how to determine the volume of an object with an irregular shape.

ANSWER: **Eureka**

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10. This playwright was once married to Marilyn Monroe, and his plays include *All My Sons* and *A View from the Bridge*. Another play by this author was inspired by McCarthyism and depicts (*) Giles Corey being crushed to death. For 10 points, name this American playwright who depicted the Salem Witch Trials in *The Crucible*.

ANSWER: Arthur Miller

Bonus 10. In this book the protagonist learns that “it is much *easier* to be brave if you do not know everything.” For 10 points,

[10] Name this book in which ten-year-old Annemarie, who lives in Denmark during WWII, helps a group of Jews, including her best friend Ellen, escape from the Nazis by delivering a handkerchief to her uncle Henrik.

ANSWER: *Number the Stars*

[10] *Number the Stars* was written by this American author of children’s books, who won a Newbery medal for that book as well as for her other book *The Giver*.

ANSWER: Lois Lowry

[10] In *The Giver* Jonas is chosen to become the Receiver of these things at the Ceremony of Twelve, which allows him to learn about many things not present in his society. He later discovers that he can transfer these things to the baby Gabriel as well.

ANSWER: memories

11. The Albany Congress occurred during the opening of this war. During the course of this war, the French were forced out of Fort Duquesne [du-KANE] in what is now (*) Western Pennsylvania by forces including George Washington. For 10 points, name this North American theater of the Seven Years’ War.

ANSWER: French and Indian War (prompt on “Seven Years’ War” before mention)

Bonus 11. For 10 points, name some things about the history of a certain place:

[10] This ethnic group is the originator of the haka, an intimidating dance sometimes performed before rugby games. This group identifies themselves by tribes known as iwi.

ANSWER: Maori

[10] The Treaty of Waitangi was signed with this colonizing nation, whose other former colonial possessions include Ghana, Nigeria and South Africa.

ANSWER: The United Kingdom [or Great Britain, or the British Empire, prompt on England)

[10] The Maori live in New Zealand, whose residents commonly refer to themselves as this nickname, an indigenous bird and fruit species.

ANSWER: kiwi

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12. In 2017, Danica Roem became the first person of this type to be elected to the Virginia legislature. In support of these people, the NBA moved its 2017 All-Star game out of Charlotte. President Donald Trump proposed (*) prohibiting these people from serving in the U.S. military “in any capacity,” although 10 federal judges blocked his attempted ban. For 10 points, give the term for people with a gender identity or expression differing from their assigned sex.

ANSWER: Transgender

Bonus 12. Answer the following about the current US Supreme Court for 10 points each:

[10] The current Chief Justice is this man, who was nominated by George W. Bush in 2005.

ANSWER: John Roberts

[10] Roberts was the Chief Justice in *Obergefell v. Hodges*, which ruled in 2015 that same-sex couples had the right to do this. Australia gave same-sex couples the right to do this in 2017.

ANSWER: Marry (accept clear-knowledge equivalents)

[10] The newest justice is this man, who was nominated by Donald Trump to replace Antonin Scalia after a year-long battle in the Senate over Barack Obama's nomination of Merrick Garland.

ANSWER: Neil Gorsuch

13. One self portrait by this artist depicts two sitting versions of herself with interconnected hearts. This artist's husband was a famous muralist named (*) Diego Rivera. For 10 points, which female Mexican artist is known for her self-portraits, which show her with a continuous eyebrow?

Answer: Frida Kahlo

Bonus 13. A large northeastern US city is home to many art museums. For 10 points each:

[10] Name this city, where the Metropolitan Museum of Art is found along Museum Mile next to Central Park

ANSWER: New York City

[10] Another art museum in New York is this one, a famous example of 20th century architecture, designed by Frank Lloyd Wright. A branch of this museum is also found in Bilbao, Spain.

ANSWER: Guggenheim Museum

[10] Van Gogh's *Starry Night* can be found at this other New York museum, often abbreviated as MoMA.

ANSWER: Museum of Modern Art

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14. **This country is home to the Tonle Sap, a large lake whose water levels greatly fluctuate with inflows from the Mekong River. Tourists visiting the town of Siem Reap in this country can visit a nearby temple complex that is found on its (*) flag.** For 10 points, name this Southeast Asian country whose capital is Phnom Penh and is home to Angkor Wat.

ANSWER: Cambodia

Bonus 14. Answer the following about the great state of Nebraska for 10 points each.

[10] Give Nebraska's state nickname, as well its name of the University of Nebraska athletic teams, which refers to a type of agricultural laborer.

ANSWER: Cornhusker State

[10] Like neighboring Missouri, Nebraska's state capital is named after a US president. Name it.

ANSWER: Lincoln

[10] Nebraska's largest city by population is this one, a center for railroads, insurance, and cattle industry. Warren Buffett, the famous investor, is known as the sage of this city.

ANSWER: Omaha

15. **Marc David Chapman was famously carrying a copy of this book when he shot John Lennon. Before obtaining a record called "Little Shirley Beans," the protagonist of this novel asks a cab driver (*) what happens to the ducks in Central Park in the winter.** For 10 points, what J.D. Salinger novel is narrated by Holden Caulfield?

ANSWER: *The Catcher in the Rye*

Bonus 15. This author wrote the Sevastopol Sketches. For 10 points each,

[10] Name this Russian author of *Anna Karenina* and *The Death of Ivan Ilyich*.

ANSWER: Leo or Lev Tolstoy

[10] Tolstoy also wrote this work, set during Napoleon's invasion of Russia featuring five families

ANSWER: *War and Peace* (or *Voyna i Mir*)

[10] In *War and Peace*, Pierre and Prince Andrei participate in this 1812 battle near Moscow.

The Russians lost, but it's considered a pyrrhic victory for the French as their losses were heavy.

ANSWER: Battle of Borodino

16. **This man believed the Junzi to be the ideal man who could one day evolve into a sage. The "five hierarchies" were formulated by this man who lived during the (*) Spring and Autumn period.** For 10 points, name this Chinese philosopher whose teachings are collected in the *Analects*.

ANSWER: Confucius [accept Kong Fuzi; accept Kong Qiu; accept Master Kong]

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Bonus 16. For 10 points each, answer the following questions about people that the Israelite David interacted with before becoming king.

[10] After this massive Philistine had challenged the men of Israelite army to single combat for forty days with no one willing to face him, David defeated him with a slingshot.

ANSWER: **Goliath**

[10] David succeeded this first king of Israel, who initially had David play the lyre in his court to help soothe him when he was tormented by an evil spirit. However, later on this king become jealous of David and tried to kill him.

ANSWER: **Saul**

[10] After being denied supplies by the wealthy man Nabal, David immediately went to kill Nabal and all his men but was stopped by this wife of Nabal, who shares her name with the second US first lady.

ANSWER: **Abigail**

Tiebreaker / Backup

In this novel, the protagonist takes advice from Faber using a wireless earpiece. Earlier, the protagonist of this novel witnesses a woman who chooses to burn herself alive rather than giving up her (*) books. For ten points, name this novel by Ray Bradbury in which fireman Guy Montag's job is to burn books.

ANSWER: **Fahrenheit 451**