

# Collective Early Release Entry-level Set (CERES)

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## Packet 6

### Tossups:

1. **This country used its caravel ships to trade with the people of Goa after sailing around the Cape of Good Hope along a route found by this country's explorer Bartholomew Dias. The first European to reach India by sea was an explorer from this country, (\*) Vasco da Gama. This country colonized Brazil, which now speaks this country's language. For 10 points, name this country once ruled from the capital city of Lisbon.**

ANSWER: Kingdom of Portugal <Kher, History>

2. **This man's roommate, who fought in the Second Anglo-Afghan War, is disdainful of his strong addictions to opiates. This man met Irene Adler, the only woman to beat him in a battle of wits, in the story "A Scandal in Bohemia". This man dies in combat with his rival Professor (\*) Moriarty at the Reichenbach Falls. For 10 points, name this detective created by Arthur Conan Doyle and accompanied by John Watson.**

ANSWER: Sherlock Holmes [accept either underlined portion; do not accept or prompt on "Benedict Cumberbatch", "Bartleby Curlingmatch", or anything of the sort] <Jogadhenu, Literature>

3. **This is the only nation in the world to recognize the Republic of Northern Cyprus as a country. Historically, the terms Asia Minor and Anatolia referred to the region that is now this country. Ships entering the Black Sea pass through the Bosphorus at this country's largest city, which contains the Hagia Sophia and was previously called (\*) Constantinople. For 10 points, what Eurasian country is home to Ankara and Istanbul?**

ANSWER: Republic of Turkey [accept Türkiye Cumhuriyeti] <Bodducherla, Geography>

4. **Protesters chanted "the whole world is watching" at this city's police during the 1968 Democratic National Convention. In this city, members of Bugs Moran's gang were killed in the St. Valentine's Day Massacre. Supposedly, Mrs. O'Leary's cow kicked over a lantern to begin an 1871 (\*) fire in this city. This city was home to notorious gangster Al Capone. For 10 points, name this largest city in Illinois.**

ANSWER: Chicago, Illinois <Koutsoukos, History>

5. **The newest discovered element belonging to this chemical group is tennessine. An element in this group has the highest electron affinity, and elements in this group have high electronegativities due to their 7 valence electrons. An element which is commonly added to (\*) swimming pools is in, for 10 points, what chemical group on the periodic table which contains elements such as chlorine and fluorine?**

ANSWER: halogens [accept Group 17 or Group 7A] <Bodducherla, Science>

6. **This is the first word in the name of a band whose album "Songs for the Deaf" includes their hit "No One Knows". Another band named for this type of person wrote a song which asks "will you do the Fandango!", includes the lyrics (\*) "Mama / Just killed a man," and begins "Is this the real life? / Is this just fantasy?"** For 10 points, name this type of person that names the band behind "Bohemian Rhapsody."

ANSWER: Queens [accept Queens of the Stone Age] <Young, Popular Culture>

7. **In degrees, this number is the lowest positive number for which the sine function is equal to zero. Pi radians are equal to this many degrees. An exterior angle of a polygon and its corresponding interior angle add to this number. Two (\*) supplementary angles sum to this number. The sum of a triangle's interior angles is, for 10 points, what number which is equal to half the number of degrees in a full circle?**

ANSWER: 180 <Kher, Math>

8. **Betty Friedan wrote a book about these people's "mystique". Title IX (nine) advanced these people's participation in sports, and Gloria Steinem founded a magazine for these people. The failed Equal Rights Amendment would have guaranteed equal (\*) protection for these people. Simone de Beauvoir's *The Second Sex* examined the oppression of, for 10 points, what people whose rights are the primary focus of feminism?**

ANSWER: women [accept obvious equivalents like girls or females; do not accept or prompt on "feminists"] <Gjesfjeld, Philosophy>

9. **On volcanically active parts of this place, hydrothermal vents are formed. Submerged ridges are the site of namesake "spreading" of this structure, which is formed by a type of crust contrasted with continental crust. This structure's lowest point is (\*) Challenger Deep in the Mariana Trench, which is almost 11,000 feet from the surface. For 10 points, name this solid structure at the bottom of the ocean.**

ANSWER: the seafloor [or the seabed or the ocean floor or oceanic crust; accept seafloor spreading] <Kher, Science>

10. **A character in this novel is forced to go home for a year after losing a duel to the Knight of the White Moon. The main character of this novel courts the peasant woman Dulcinea and is accompanied by his horse Rocinante and his squire (\*) Sancho Panza. For 10 points, name this Spanish novel about a knight who fights epic battles with windmills, written by Miguel Cervantes.**

ANSWER: Don Quixote [or *The Ingenious Gentleman Don Quixote of La Mancha*] <Jogadhenu, Literature>

11. **In the book of Luke, the tax collector Zaccheus climbed on top of one of these objects to see Jesus. St. Boniface destroyed a large one of these things, many of which could be found in "sacred (\*) groves" used by Celtic druids. The Buddha sat under one of these plants, called the Bodhi, known for its heart-shaped leaves. An angel or a star often adorn, for 10 points, what plants which are decorated at Christmas?**

ANSWER: trees [accept specific kinds of trees] <Gjesfjeld, Religion>

12. **A so-called "ministering angel" with this job developed the polar area diagram and worked at the Selimiye Barracks in Scutari. A woman nicknamed the "Lady with the Lamp" served in this job during the Crimean War. Another woman this this job dubbed the (\*) "Angel of the Battlefield" founded the American Red Cross. For 10 points, Florence Nightingale and Clara Barton served in what job by healing the injured during wars?**

ANSWER: nurse [or nursing; prompt on doctors or anything involving medicine] <Kher, History>

13. An often excerpted "Chaconne" is part of J.S. Bach's Six Sonatas and Partitas for this instrument. Pieces nicknamed "The Hunt" and "The Devil's Laughter" are a part of Nicolo Paganini's 24 Caprices written for this instrument. The concertmaster of an orchestra plays this four-stringed instrument that is (\*) smaller than a viola. For 10 points, what is the highest-pitched string instrument in an orchestra?

ANSWER: violin [accept fiddle] <Emmanuel, Fine Arts>

14. Mikhail Gorbachev was featured in a commercial advertising this food, whose St. Louis variety is made with a distinctive cheese product called Provel. The Margherita kind of this food is topped with basil and (\*) mozzarella. New York is famous for a variety of this food known for its thin crust and foldable slices. For 10 points, what kind of food is made by chains such as Little Caesars and Papa John's?

ANSWER: pizza [accept Margherita pizza or New York pizza] <A. Gao, General Knowledge>

15. An equation named for Konstantin Tsiolkovsky is used to calculate the motion of these machines, because they get lighter through fuel loss as they travel. Robert Goddard and Werner von Braun are scientists best known for their work with these machines, which may be comprised of multiple (\*) stages which fall off as they fly. For 10 points, what vehicles such as Saturn V and Falcon 9 are used to launch into space?

ANSWER: rockets <Kher, Science>

16. An incident on this lake inspired Gordon Lightfoot to write the song "The Wreck of the Edmund Fitzgerald". Wolves live in an unstable relationship with moose on this lake's Isle Royale, and cities that lie on this lake include Marquette and (\*) Duluth. The northern coast of Michigan's Upper Peninsula borders this lake. For 10 points, name this largest freshwater lake in the world and largest of the Great Lakes by area.

ANSWER: Lake Superior <Koutsoukos, Geography>

17. In Hindu myth, Krishna is cursed after seeing the reflection of this entity in milk, and the Hindu god of this entity is Chandra. The wolf Hati chases Máni (MOW-nee), the Norse god of this object. In Chinese mythology, the goddess Chang'e lived on this object along with a (\*) rabbit. The traditional Chinese calendar defines months using the phases of, for 10 points, what celestial body which makes werewolves transform when it's full?

ANSWER: the moon <Gollamudi, Mythology>

18. The large Arab-American population in Dearborn, Michigan was started by immigrants who moved to the US to work in this industry. The leader of this industry's UAW labor union was beaten by guards at the River Rouge factory. One of the first (\*) assembly lines were used in this industry to mass-produce the affordable Model T. For 10 points, name this industry which includes products made by Volkswagen and Ford.

ANSWER: automotive industry [or car industry] <Kher, History>

19. Unlike a similarly-named process that occurs in germ cells, this process occurs in somatic cells. Centrioles are connected by microtubules to form a spindle that is used in this process to separate sister chromatids. Chromosomes align along the center of the cell and prepare to (\*) divide during the metaphase of, for 10 points, what biological process in which a cell divides into two genetically identical cells?

ANSWER: mitosis <Heydt, Science>

20. In a short story by this author, the protagonist sees his wife, Faith, being baptized by the Devil but wakes up and realizes it was only a dream. In another work by this author of "Young Goodman Brown", the wife of Roger Chillingworth has an extramarital affair with Arthur Dimmesdale. That character, (\*) Hester Prynne, bears the title symbol on her clothing in a novel by, for 10 points, what author of *The Scarlet Letter*?

ANSWER: Nathaniel Hawthorne <Heydt, Literature>

## Bonuses:

1. This country is separated from a neighbor to its northwest by Adam's Bridge and the Palk Strait. For 10 points each:

[10] Name this teardrop-shaped country whose major cities include Jaffna and Kandy. This country's administrative capital, Kotte, is actually a suburb of its de facto capital.

ANSWER: Democratic Socialist Republic of **Sri Lanka** [do not accept or prompt on "Ceylon"]

[10] Sri Lanka lies in this ocean named for an enormous subcontinent in South Asia. Other islands in this third-largest ocean in the world include the Maldives, the Andaman Islands, Mauritius, and Reunion.

ANSWER: **Indian** Ocean

[10] Under the control of this European power, Sri Lanka was called Ceylon. Many of this country's other colonies in south and southeast Asia, including India, Pakistan, and Malaysia, became independent in the mid-20th century.

ANSWER: the **United Kingdom** of Great Britain and Northern Ireland [accept the **UK**, or Great **Britain**, or **GB**] <Koutsoukos, Geography>

2. Answer some questions about the work of author Chimamanda Ngozi Adichie (**uh-DEE-chi-ay**), for 10 points each:

[10] Adichie won the National Book Critics Circle Award for a 2013 novel titled for this country. In the novel, Ifemelu is exposed to racism in this country after moving to it to study at Princeton University.

ANSWER: **United States** of America [or United States of **America**, or the **USA**; accept **Americanah**]

[10] A short story collection by Adichie is titled *The [one of these entities] Around Your Neck*. In the title of a Chinua Achebe novel about Okonkwo, these general entities "Fall Apart".

ANSWER: **things** [accept *The **Thing** Around Your Neck* or ***Things** Fall Apart*]

[10] Adichie is from this country, also the home of authors Chinua Achebe and Wole Soyinka (**WOH-lay shoy-ING-kuh**).

ANSWER: Federal Republic of **Nigeria** <Kher, Literature>

3. Answer the following about art related to the AIDS epidemic. For 10 points each:

[10] Félix González-Torres, an artist from this country, made many works consisting of candies which gradually disappear to symbolize death from AIDS. John Singleton Copley's *Watson and the Shark* is set in the harbor of this country's city of Havana.

ANSWER: **Cuba**

[10] A mural called "Together we can stop AIDS" is one of the works of Keith Haring, an artist who primarily created works in this public medium. Banksy is another artist in this medium, which some consider to be a form of vandalism.

ANSWER: **graffiti** [prompt on **street art**]

[10] The NAMES Project foundation organized the creation of one of these items to commemorate those who have died from AIDS. Faith Ringgold's *Who's Afraid of Aunt Jemima* is one of these items, which were often created in namesake "bees" by 19th-century women.

ANSWER: **quilt**s <Young, Fine Arts>

4. Thomson and Thompson are identical twin detectives in this series. For 10 points each:

[10] Name this series which centers on the adventures of the title character and sometimes features the drunk Captain Haddock. This series was written and illustrated by Hergé (**air-ZHAY**).

ANSWER: *Adventures of **Tintin***

[10] Hergé is a cartoonist from this country. Hercule Poirot, a detective created by Agatha Christie is from this country and worked as a policeman in Brussels until World War I.

ANSWER: **Belgium** [accept the Kingdom of **Belgium**; or Koninkrijk **België**; or Royaume de **Belgique**]

[10] Snowy, Tintin's companion, is one of these animals.

ANSWER: **dogs** <Bhattacharyya, Literature>

5. If you are not a part of the solution, you're a part of the precipitate. For 10 points each:

[10] Precipitates are usually insoluble substances in this phase of matter. They have a definite size and shape, and an example might include the buzzer you're holding right now.

ANSWER: **solids**

[10] The most common precipitation reactions with an industrial use involve creating compounds containing metals and this ion. Bases form this ion in solution according to the Arrhenius definition, and lye is a compound containing sodium and this ion.

ANSWER: **hydroxide**

[10] Solutions are homogeneous mixtures that are usually formed from one of these things being dissolved in a solvent. This is a general term for a substance dissolved into a solution.

ANSWER: **solute** <Gollamudi, Science>

6. A king of this name fled to the Ottoman Empire during a war in which he lost the battle of Poltava. For 10 points each:

[10] Give this name of a king who lost the Great Northern War to Peter the Great. He was the twelfth king of his country with that name.

ANSWER: **Charles** [or **Karl**, or **Carolus**]

[10] A later king of that country, Gustavus Adolphus, took part in this war. This war, named for its length, began after the Second Defenestration of Prague, and saw Gustavus Adolphus die in the battle of Lutzen.

ANSWER: **Thirty Years** War

[10] Charles XII and Gustavus Adolphus were both kings of this Scandinavian country, whose modern-day capital is Stockholm.

ANSWER: **Sweden** [or **Sverige**] <Gjesfjeld, History>

7. Answer the following about television adaptations of epic fantasy, for 10 points each:

[10] This TV series featuring characters like Daenerys Targaryen and the Lannister and Stark families was widely acclaimed until its disastrous final season. It is an adaptation of the book series *A Song of Ice and Fire*.

ANSWER: **Game of Thrones**

[10] *Game of Thrones* adapts this author's novels. This author is notorious for having taken years to release the sixth book in his series, *The Winds of Winter*.

ANSWER: George R. R. **Martin**

[10] In September 2021, Amazon released the first trailer for their adaptation of this other epic fantasy series by Robert Jordan. This monumental 14-book series counts Rand al'Thor and Moiraine Damodred among its thousands of characters.

ANSWER: *The* **Wheel of Time** <Thompson, Popular Culture>

8. Answer the following about the holiday of Purim, for 10 points each:

[10] Purim honors Esther and Mordecai foiling a plot by Haman to kill people with this religion, who celebrate Purim as well as other holidays like Hanukkah.

ANSWER: **Judaism** [or **Jews**]

[10] During the annual reading of the Book of Esther on Purim, worshippers at synagogues perform this action whenever Haman's name is read. A description is acceptable.

ANSWER: they **make noise to drown out his name** [accept anything indicating **yelling** or **shouting** or **making noise** or **using clappers** or any obvious equivalents]

[10] The Purim reading also contains a list of this many sons of Haman, which must be written on the scroll in a specific manner. This is also the number of plagues that were unleashed on Egypt in Exodus.

ANSWER: **ten** <Gjesfjeld, Religion>

9. These particles are absorbed in the photoelectric effect. For 10 points each:

[10] Name these massless particles which can be thought of as "packets" of light.

ANSWER: **photons**

[10] The energy of a photon is equal to a constant named after this scientist multiplied by the speed of light and divided by wavelength. This German scientist also names a distance which is the shortest length measurable.

ANSWER: Max **Planck**

[10] Dividing Planck's constant by this other quantity gives you the de Broglie wavelength. Impulse is a change in this quantity, which is the product of mass and velocity for any object.

ANSWER: linear **momentum** [do not accept or prompt on "angular momentum"] <Gollamudi, Science>

10. The La Spezia-Rimini line in northern Italy divides languages in this language family into two groups. For 10 points each:

[10] Name this largest subfamily of the Indo-European language family, whose languages are mostly of Western European origin and include French, Portuguese, and Italian.

ANSWER: **Romance** languages

[10] Romance languages are derived from the vernacular form of this ancient language. Many common roots in English are derived from Greek and this language, which was spoken in Ancient Rome.

ANSWER: **Latin** [or lingua **latīna**; accept **vulgar Latin**]

[10] This language is the only living Eastern Romance language, and includes features like a case system and the use of suffixes for articles. The name "Dracula" comes from this language's word for "the devil".

ANSWER: **Romanian** [accept **Daco-Romanian**] <Kher, Social Science>

11. For 10 points each, answer the following about advancements in space exploration:

[10] This was the first artificial satellite of the Earth, and was launched by the USSR during the Space Race. Its name is Russian for "satellite".

ANSWER: **Sputnik 1**

[10] This space probe is the one that is the farthest away from the Earth. As of 2012, this probe has exited the Solar System.

ANSWER: **Voyager I** [prompt on **Voyager**; do not accept or prompt on "Voyager II"]

[10] The first American human spaceflight program shared its name with this planet, the closest planet to the Sun.

ANSWER: Project **Mercury** <Gollamudi, Science>

12. For 10 points each, answer the following about the Duat:

[10] The Duat is the realm of the dead in the belief system of these people. Notable deities of these people include Isis and Horus, and they often held annual celebrations for the flooding of the Nile river.

ANSWER: the Ancient **Egyptians**

[10] Once a dead soul overcame several challenges in the Duat, they could meet this jackal headed deity who would weigh their heart against the feather of Ma'at.

ANSWER: **Anubis**

[10] If the soul passed the test of Anubis and the feather, they would be let into Aaru, which is a field ruled by this deity. This "Foremost of the Westerners" was chopped up into 13 pieces by his brother.

ANSWER: **Osiris** <Gollamudi, Mythology>

13. The "high water mark of the Confederacy" marks the farthest point Confederate soldiers reached at this battle during Pickett's Charge. For 10 points each:

[10] Name this 1863 Civil War battle in which Union forces under George Meade defeated Confederate soldiers in southern Pennsylvania. The line "Four score and seven years ago" began Abraham Lincoln's famous "Address" after this battle.

ANSWER: Battle of **Gettysburg**

[10] The Battle of Gettysburg was a defeat for this Confederate general who surrendered to Ulysses S. Grant at Appomattox Court House in 1865.

ANSWER: Robert E. **Lee** [or Robert Edward **Lee**]

[10] The Battle of Gettysburg ended the day before the July 4th, 1863 battle in this Mississippi city. Ulysses S. Grant effectively split the Confederacy in two by capturing this city, since it was the last remaining Confederate stronghold on the Mississippi River.

ANSWER: **Vicksburg** [accept Siege of **Vicksburg** or Battle of **Vicksburg** or **Vicksburg** Campaign] <Koutsoukos, History>

14. According to popular legend, the reason only between 50 and 200 of a type of these collectibles were created was because its subject didn't want children buying cigarettes to obtain them. For 10 points each:

[10] Name these collectibles, an extremely rare example of which is the T-206 Honus Wagner.

ANSWER: **baseball cards** [prompt on **cards** or **trading cards**]

[10] In the 1950s, Topps bundled baseball cards with purchases of this product. A company that makes this product, Wrigley, is the namesake of the Chicago Cubs' home field.

ANSWER: chewing **gum**

[10] A famously rare 1916 baseball card depicts this "Sultan of Swat," a star player and 7-time World Series champion. In 2004, the Boston Red Sox broke the "Curse of the Bambino," an 86-year championship drought they experienced after trading this player to the New York Yankees.

ANSWER: Babe **Ruth** [or George Herman **Ruth** Jr.] <Kher, General Knowledge>

15. You're Alice and you need to get a message to me, Bob. For 10 points each, answer the following about cryptography:

[10] You could use RSA encryption, which depends on this task's difficulty. This task is hard since the Fundamental Theorem of Arithmetic states every number can have this task done to it in exactly one way.

ANSWER: prime **factorization**

[10] Or you could use the Caesar cipher, which can be cracked by comparing how often each value in a series of numbers appears to how often each value in the alphabet appears. This is the term for how often a data value occurs.

ANSWER: **frequency**

[10] A safer encryption method is to apply a shift of this type to each letter. Shifts of this type occur purely by chance, like when rolling a dice or flipping a coin.

ANSWER: **random** <C. Gao, Math>

16. The term "spring" is often used to refer to waves of revolution and protest. For 10 points each, answer some questions about historical springs:

[10] Political liberalization took place during a 1968 "Spring" named for this city, which was ended by a Soviet invasion. This city has also been the site of several notable historical defenestrations.

ANSWER: **Prague**

[10] Sparked by the self-immolation of Mohamed Bouazizi in Tunisia, the Arab Spring in the early 2010s resulted in the overthrow of this country's president Hosni Mubarak. This country's capital, Cairo, lies on the Nile River.

ANSWER: Arab Republic of **Egypt**

[10] A wave of 1848 revolutions in Europe, the "Spring of Nations," included one in this country led by Lajos Kossuth (**LAH-yosh KOH-shoot**). This country's capital was formed in 1873 by the merger of two cities which were connected by a "chain bridge".

ANSWER: **Hungary** [or **Magyarország**] <Ahmed, History>

17. This poet asked "how do you like your blue-eyed boy / Mister Death" in "Buffalo Bill's." For 10 points each:

[10] Name this poet of "i carry your heart with me," known for his unusual capitalization and punctuation. This poet created a place "with up so floating many bells down" in "anyone lived in a pretty how town."

ANSWER: Edward Estlin **Cummings** [accept **e e cummings**]

[10] Cummings' "anyone lived in a pretty how town" repeats the phrase "sun [this object] stars rain." Emily Dickinson wrote a poem about the appearance of this celestial body at night, describing it as "like a Chin of Gold".

ANSWER: **moon** [accept "**sun moon stars rain**"]

[10] In his poem "the Cambridge ladies who live in furnished souls," Cummings describes the women as "believ[ing] in Christ and [this poet], both dead." This Massachusetts poet wrote "Evangeline" and "The Song of Hiawatha."

ANSWER: Henry Wadsworth **Longfellow** <A. Gao, Literature>

18. This emperor gave the "Jewel Voice Broadcast" to announce his country's surrender in World War II. For 10 points each:

[10] Name this emperor of an Asian country that fought against the US in the Pacific Theatre of World War II.

ANSWER: Emperor **Hirohito** [accept **Shōwa**]

[10] Hirohito was an emperor of this country. Its cities of Hiroshima and Nagasaki were attacked by atomic bombs that forced their surrender.

ANSWER: **Japan** [accept **Nippon**-koku or **Nihon**-koku]

[10] A pivotal battle during the Pacific Theatre was this one, taking place in an atoll at the end of the Hawaiian island chain, in which American forces sank four Japanese carriers. An airport in Chicago is named for it.

ANSWER: Battle of **Midway** <Emmanuel, History>

19. Answer the following about the uses of eggs in Chinese cuisine, for 10 points each:

[10] This type of soup is made by allowing cracked eggs to fall into a hot soup broth, creating small strands of cooked egg that fill the soup. It is commonly offered on the menu of Chinese restaurants in America.

ANSWER: **egg drop soup** [or **egg flower soup**, or **dànhuātāng**]

[10] These preserved eggs are buried in quicklime for several weeks, giving them a gelatinous, brown appearance and turning the yolks a greenish color. Some of these eggs have pine-shaped patterns on the surface and are known as Songhua eggs.

ANSWER: **century** eggs [or **hundred-year** eggs, or **thousand-year** eggs, or **millenium** eggs, or **pídàn**]

[10] A common way to eat century eggs is to serve them with this soy-based product. This food is commonly cut into cubes and used as a vegetarian protein source in East Asian food.

ANSWER: **tofu** <A. Gao, General Knowledge>



20. For 10 points each, answer the following about bacteria:

[10] Bacteria are often consumed by these other viruses that infect bacteria and kill them. Their name means "bacteria eater" and a therapy named after these things can get rid of bacterial infections.

ANSWER: **bacteriophages** [accept **phages**]

[10] Eubacteria have a cell wall composed of peptidoglycan, which is a polymer consisting of sugars and these other things. There are nine essential ones of these chemicals, and examples of them are lysine, methionine, and tryptophan.

ANSWER: **amino acids**

[10] Cyanobacteria are also known as algae of blue and this other color. Leaves are often this color when it is not the fall.

ANSWER: **green** <Gollamudi, Science>