## Collective Early Release Entry-level Set (CERES)

Head edited by: Conor Thompson

Edited by: Aatreyo Bhattacharyya, Tanay Bodducherla, Bo Chi, Rohan Ganeshan, Rohan Kher, Lukas Koutsoukos, Jacob Hardin-Bernhardt, and Jeff Xie Written by: the editors, Eamin Ahmed, Nikhil Arjunan, Simon Emmanuel, Andrew Gao, Cindy Gao, Shivani Ganeshan, Soren Gjesfjeld, Kaushik Gollamudi, Deven Hagen, Avery Heinonen, Charles Heydt, Rahul Jogadhenu, Matthew Kohn, Arnav Mahendra, Neev Sahgal, George Tagtmeier, and Charles Young

## Packet 11

## Tossups:

1. One character in this book is often told "sucks to your ass-mar!" After seeing a dead parachutist in this novel, Simon is killed. In this novel, the twins Sam and Eric are captured after a conch is shattered. Roger uses a giant boulder to kill (\*) Piggy in this novel, which prominently features a feud between Jack and Ralph. William Golding wrote, for 10 points, what book about a group of boys on an isolated island?

ANSWER: Lord of the Flies < Young, Literature>

2. A bridge connects this country's city of Dammam to the island nation of Bahrain. This country's southeast is dominated by the Rub' al-Khali, also known as the Empty Quarter, and it is by far the largest exporter of (\*) oil in the world. The cities of Medina and Mecca, the holiest cities in Islam, are found in this country. For 10 points, what absolute monarchy in the Middle East is led from its capital of Riyadh?

ANSWER: Kingdom of <u>Saudi Arabia</u> [or Al-Mamlakah al-<u>'Arabīyah as-Sa'ūdīyah</u>] <Heinonen, Geography>

3. "Full stack" developers can program these things by working both with the front end and back end. HTML, CSS, and JavaScript are commonly used to program these things. Some of these things save information about visiting users with the use of (\*) cookies. These things can be accessed by computers using an IP address or a URL. For 10 points, name these things which consist of collections of web pages, such as google.com.

ANSWER: websites [accept webpages before it is read] <Kher, Science>

- 4. Hubs for these people included the Jamaican city of Port Royal and the Barbary Coast, where the U.S. fought namesake wars against them. Queen Anne's Revenge was used by one of these people whose real name was Edward Teach. Some of these people used the (\*) Jolly Roger flag, showing crossed bones under a skull. Blackbeard was one of, for 10 points, what seafaring criminals who, in popular culture, wear eye patches?

  ANSWER: pirates < Kher, History>
- 5. This novel's protagonist discovers that Yeehat Indians have destroyed his camp. After being kidnapped from Judge Miller's estate, that character later is mistreated by Hal, Charles, and Mercedes. This novel's main character maintains a rivalry with Spitz and a friendship with John (\*) Thornton. Buck is the main character of, for 10 points, what Jack London novel about a sled dog in the Klondike Gold Rush?

ANSWER: The Call of the Wild <S. Ganeshan, Literature>

6. A folk hero from this country died from exhaustion after completing the construction of a tunnel, which he had dug faster than a steam drill. That "steel-driving man" from this country was named John Henry. Another folk hero from this country had a pet blue (\*) ox named Babe and was renowned for his skill at lumberjacking. For 10 points, name this country whose folk heroes include Paul Bunyan.

ANSWER: the <u>United States</u> of America [or just <u>America</u>, or the <u>US</u>A or other obvious equivalents] <Gollamudi, Mythology>

7. McCarran International Airport serves this state's biggest city and nearby cities like Henderson. The "Extraterrestrial Highway" is in this state, and Groom Lake is located near a military base in this state. This state's border with Arizona is partially formed by Lake (\*) Mead. This state and California share Lake Tahoe. Carson City and Reno are in, for 10 points, what state home to Area 51 and many casinos in Las Vegas?

ANSWER: Nevada < A. Gao, Geography>

8. Two players with this surname signed for Lithuanian basketball team Prienai in a highly-publicized 2018 move. In the 2020 NBA draft, the Charlotte Hornets used the third overall pick on a player with this surname. A former NFL player with this surname claimed he could beat (\*) Michael Jordan with one hand. For 10 points, what family name is shared by three brothers named LiAngelo, Lonzo, and LaMelo?

ANSWER: **Ball** < Emmanuel, Popular Culture>

9. Maltose is a disaccharide made entirely of this compound. This compound is broken down into pyruvate in the cytoplasm of a cell. Insufficient production of insulin may result in (\*) diabetes, which involves high levels of this compound in the blood. Photosynthesis converts water and carbon dioxide into this compound and oxygen. For ten points, name this sugar that is used to produce energy for the body.

ANSWER: **glucose** [accept **D-glucose**; prompt on <u>sugars</u>; prompt on <u>monosaccharides</u>] <Bhattacharyya, Science>

10. A period of political conflict over holding this position was the early 17th-century "Time of Troubles." A "Great" holder of this position built a capital on the Baltic Sea named after himself. For 300 years, this position was held by members of the Romanov family. This position's holders included (\*) Nicholas II, Catherine the Great, and Peter I. For 10 points, name this royal position in a country ruled from Moscow.

ANSWER: <u>tsar</u> of Russia [or <u>czar</u> of Russia or <u>Emperor of Russia</u> or <u>Empress of Russia</u> or <u>king of Russia</u> or <u>queen of Russia</u>; prompt on <u>emperor</u> or <u>empress</u> or <u>king</u> or <u>queen</u> by asking "of which country?"] <Koutsoukos, History>

11. A theorem named for Lagrange says that all integers can be written as the sum of this many perfect squares. All maps can be colored with this many colors without having any adjacent regions of the same color. An integer is divisible by this number if its last (\*) two digits are divisible by this number. This number is the number of faces of a tetrahedron. For 10 points, how many sides does a square have?

ANSWER: four < Bhattacharyya, Math>

12. A colony in this modern-day US state was founded by James Oglethorpe as a debtor's prison. A scorched-earth campaign in this state that culminated in the offering of Savannah as a "Christmas gift" was Sherman's March to the Sea. Dr. (\*) Martin Luther King was born in this state, where future president Jimmy Carter farmed peanuts. For 10 points, name this Southern state with capital Atlanta.

ANSWER: Georgia < Koutsoukos, History>

13. The protagonist of this novel ends a friendship with Hailey and goes to prom with Chris. In this novel, the protagonist's father, a former member of the King Lords gang, has an argument with Uncle Carlos. After a grand jury's decision to not prosecute the officer who killed (\*) Khalil, the central neighborhood of Garden Heights erupts into protests. Starr Carter is the protagonist of, for 10 points, what Angie Thomas novel?

ANSWER: The **Hate U Give** <A. Gao, Literature>

14. One of these objects was the destination of the ESA's Rosetta mission. These objects' long-period types originate from the Oort cloud, while their short-period types originate from the Kuiper belt. These objects leave a (\*) trail of gas and dust behind them known as a "tail" when they come close to the Sun. For 10 points, what objects include one visible from earth every 76 years named for Halley?

ANSWER: comets < Thompson, Science >

15. The presence of deuterium rather than the normal protium characterizes the 'heavy' form of this molecule. When this molecule diffuses across a semipermeable membrane, it is known as osmosis. This molecule is known as the (\*) "universal solvent", and when something is dissolved in this substance it is known as an aqueous solution. For 10 points, what molecule essential to all life on Earth has formula H2O?

ANSWER: water [accept H20 before mention] < Bodducherla, Science>

16. In 2021, this state lost a case to California that would have overturned Obamacare. This state's Attorney General, Ken Paxton sued Pennsylvania to overturn the 2020 election. Due to a February 2021 storm, this state was hit with mass power outages, and a senator from this state was criticized for traveling to (\*) Cancún during the crisis. John Cornyn and Ted Cruz are from, for 10 points, what state with capital Austin?

ANSWER: **Texas** < A. Gao, Current Events>

17. British support for the creation of this nation was announced via the Balfour Declaration. This country won the Six-Day War under its first prime minister, David Ben-Gurion. This country has fought over control of the West Bank and (\*) Gaza Strip, which are claimed by Palestine. This country's creation was advocated by Zionist movements in the early 1900s. For 10 points, Tel Aviv is a city in what majority-Jewish country?

ANSWER: State of Israel < Emmanuel, History>

18. A poem titled for this food begins "Call the roller of big cigars"; that Wallace Stevens poem is titled for the "Emperor" of this food. A common Internet meme about this food revolves around the fact that McDonald's machines for it are frequently (\*) broken. A Vermont-based producer of this food makes it in flavors like "Stephen Colbert's Americone Dream". For 10 points, what dessert is produced by Ben and Jerry's?

ANSWER: ice cream [or "The Emperor of Ice-Cream"] < Bhattacharyya, General Knowledge>

19. One text in this religion, the Pearl of Great Price, derives its name from a Biblical parable. The founder of this religion used "seer stones" to translate its most sacred text from golden plates given to him by the angel Moroni. Brigham (\*) Young was an early leader of this religion, which was founded by Joseph Smith. Salt Lake City is home to the largest temple of, for 10 points, what Christian sect centered in Utah?

ANSWER: **Mormon**ism [or the Church of Jesus Christ of **Latter-Day Saints**, or the **LDS** church] <Bhattacharyya, Religion>

20. In one work, Marcel Duchamp added a goatee and mustache to this painting's central figure. Mountains of ice and a twisting river can be seen in the background of this painting, which is the most famous to use the sfumato technique. This painting depicts the wife of Francesco del Giocondo without (\*) eyebrows and with an enigmatic smile. For 10 points, name this masterpiece, the most famous work by Leonardo da Vinci. ANSWER: The **Mona Lisa** <Young, Fine Arts>

## **Bonuses:**

1. For 10 points each, answer the following about an activity you ideally perform every night:

[10] Identify this activity. Most people perform this activity on a bed, and professionals recommend that kids get 8-10 hours of this activity every day.

ANSWER: **sleep** [accept descriptions of being **asleep**]

[10] This phase of sleep usually occurs around 90 minutes after you've fallen asleep, and this type of sleep is important because it involves the parts of the brain used in making memories. It is named for a certain physical stimulus that occurs during it.

ANSWER: **REM** sleep [accept **rapid eve movement** sleep]

[10] These things often occur while you are in REM sleep. "Lucid" examples of these things occur when you know that these things in your head aren't real.

ANSWER: dreams [accept lucid dreams] < Gollamudi, Science>

2. For 10 points each, answer the following about Pegasus:

[10] Pegasus is notable for having this specific trait. Bellerophon legendarily attempted to abuse this trait of Pegasus to get to Mount Olympus, leading to his death by falling to the ground. A description is acceptable.

ANSWER: **flight** [accept things like **being able to fly** or other obvious equivalents like **having wings**] [10] Pegasus was tamed by Bellerophon after being given a bridle made of this substance. One legendary king was cursed to turn everything he touched into this substance.

ANSWER: gold

[10] The Hippocrene was a spring created by Pegasus which was sacred to these goddesses. There were typically nine of these goddesses, and they represented things like the arts, literature, and history.

ANSWER: the **Muses** [or **Mousai**] <Gollamudi, Mythology>

3. For 10 points each, answer some questions about the ancient city of Babylon:

[10] This ruler of Babylon is known for his harsh law code, which served as one of the earliest law codes in history and used the principle of "an eye for an eye" and "a tooth for a tooth".

ANSWER: **Hammurabi** [or **Hammurapi**]

[10] Babylon's king Nebuchadnezzar II built famous "Hanging" examples of these places for his wife. Plants are generally grown in these outdoor spaces, and one of them "of Eden" appears in the Bible.

ANSWER: **garden**s [accept **Hanging Gardens** of Babylon or the **Garden of Eden**]

[10] Nebuchadnezzar also built one of these structures in Babylon out of blue bricks that was named for the goddess Ishtar. One of these structures in Rome was named for Janus and always opened during wartime.

ANSWER: gates [accept Ishtar Gate] < Emmanuel, History>

4. The drug soma keeps citizens peaceful in this novel. For 10 points each:

[10] Name this dystopian novel by Aldous Huxley, in which citizens are sorted in a caste system from Alpha to Epsilon. John the Savage hangs himself at the end of this novel.

ANSWER: **Brave New World** 

[10] The phrase "brave new world" is taken from a speech by Prospero in *The Tempest*, a play by this playwright.

ANSWER: William **Shakespeare** 

[10] Shakespeare and Huxley were authors from this country. Brave New World is partially set in this country's city of London.

ANSWER:  $\underline{\textbf{England}}$  [accept  $\underline{\textbf{U}}$ nited  $\underline{\textbf{K}}$ ingdom or  $\underline{\textbf{G}}$ reat  $\underline{\textbf{B}}$ ritain, do not accept or prompt on any other constituent countries like "Scotland", "Wales", or "Northern Ireland" as neither Huxley nor Shakespeare were from there] <A. Gao, Literature>

- 5. Some reactions in this man's "Glitter Bomb 1.0" video were determined to be faked. For 10 points each:
- [10] Name this YouTuber. This man featured "Phat Gus" in a video of him putting squirrels through a backyard obstacle course, and set two birthday parties for cancer survivors at a California farm. ANSWER: Mark **Rober**
- [10] Rober previously worked for this government agency's Jet Propulsion Laboratory, where he worked on the Mars rover *Curiosity*. Rober documented the 2021 landing of this agency's rover *Perseverance* in one video.

ANSWER: **N**ational **A**eronautics and **S**pace **A**dministration [or **NASA**]

[10] Rober also collaborated with this YouTuber on #teamtrees, which aimed to raise \$20 million dollars to plant 20 million trees by 2020. This man, whose real name is Jimmy Donaldson, adopted every dog in a dog shelter for a charity project.

ANSWER: MrBeast < A. Gao, General Knowledge>

- 6. Konstantin Stanislavski implemented his "system" for people with this profession while directing The Seagull. For 10 points each:
- [10] Stanislavski's system evolved into a "method" for people with this profession, which encourages them to fully experience the emotions of and understand the characters they are portraying. ANSWER: <a href="mailto:actor">actor</a>s [or <a href="mailto:actor">actress</a>es]
- [10] This Russian author's works The Seagull and The Cherry Orchard were both performed at the Moscow Arts Theatre under Stanislavski's direction.

ANSWER: Anton **Chekhov** 

[10] Chekhov names a principle stating that one of these weapons placed on stage at the start of a play must be used by its end. In *The Seagull*, Konstantin Treplev kills both the title bird and himself with one of these weapons.

ANSWER: a gun [accept Chekhov's gun] < C. Gao, Literature>

- 7. Contrary to popular belief, the "American" one of these languages has a distinct grammar from English and is not a word-for-word translation. For 10 points each:
- [10] Name these languages commonly used by people who are Deaf or hard of hearing.

ANSWER: sign languages

[10] This isolated Massachusetts island south of Cape Cod created a unique sign language used by both its Deaf and hearing population.

ANSWER: Martha's Vinevard

[10] American Sign Language is most closely related to the sign language used in this European country. English contains many loanwords from this country's primary spoken language as a result of the Norman invasion of England in the Middle Ages.

ANSWER: France < C. Gao, Social Science>

- 8. ... ("dot dot dot"). For 10 points each, answer the following about notable characters without lines in videogames:
- [10] In Pokemon Gold and Silver, the player can find this former champion on Mt Silver, where he lacks any lines of speech. He is better known for being the protagonist of the first Pokemon game. ANSWER: Champion **Red**
- [10] Another notable character lacking lines is this hero of the Legend of Zelda franchise. The series focuses on his attempts to rescue Zelda and defeat the demon king Ganon.

ANSWER: **Link** [accept anything like **Young Link** or **Toon Link**]

[10] Both Pokemon and the Legend of Zelda are both examples of this type of game, where the player controls the actions of one character. Other examples of games in this genre include the Final Fantasv franchise and Skyrim.

ANSWER: **RPGs** [accept **role-playing games**] <Gollamudi, Popular Culture>

- 9. James A. Bayard's decision to change his vote decided the winner of this election. For 10 points each:
- [10] Name this election in which Thomas Jefferson and Aaron Burr tied for first in the electoral college, leading to a contingent election in the House of Representatives. This election resulted in Jefferson becoming president while Burr became vice president.

ANSWER: **1800** presidential election

[10] Jefferson and Burr defeated this incumbent Federalist president who engaged in the Quasi-War and the XYZ Affair. This vice president to George Washington passed the controversial Alien and Sedition Acts during his term as the second president.

ANSWER: **J**ohn **Adams** [prompt on <u>Adams</u>; do not accept or prompt on John Quincy Adams] [10] John Adams had fought in the Quasi-War against this European country to which Jefferson had been an ambassador. The Marquis de Lafayette, a native of this country, aided American troops in the Revolutionary War.

ANSWER: France < Koutsoukos, History>

- 10. For 10 points each, answer the following about the monkey-god Hanuman:
- [10] During the Kurukshetra War, Hanuman, the son of a god of this phenomenon, watches the battle and blows a conch. Boreas and Zephyrus are deities of this phenomenon in Greek mythology.

ANSWER: the **wind**s [accept the **North wind** or **West wind**]

[10] Hanuman was sitting on one of these vehicles driven by Krishna while watching the Kurukshetra War. In the Hippodrome, spectators could watch these horse-drawn vehicles race.

ANSWER: **chariot**s

[10] In one story, Hanuman attempts to eat this entity, thinking that it is a mango. Hou-Yi legendarily used a bow and arrows to shoot down eight versions of this entity in Chinese mythology. ANSWER: the **Sun** < Gollamudi, Religion >

- 11. Answer these questions about modern American composers, for 10 points each:
- [10] Composer John Coolidge Adams wrote On the Transmigration of Souls to memorialize the victims of this 2001 event which destroyed the World Trade Center.

ANSWER: the **September 11** attacks [or **9/11**]

[10] This composer wrote 4'33" ("4 minutes, 33 seconds"), in which the performer sits at a piano and doesn't play it for that length of time. He also wrote As Slow As Possible, which is currently being performed on an organ in Germany and will likely end around the year 2640.

ANSWER: John Cage

[10] American composer Terry Riley is perhaps most known for a piece titled for being In [this key]. This key's parallel minor is A minor, and it contains no flats or sharps.

ANSWER: **C** [Accept **C** major or In **C**] <Emmanuel, Fine Arts>

- 12. For 10 points each, answer some questions about places that have a relation to soccer legend Cristiano Ronaldo:
- [10] Ronaldo's first professional club was Sporting Club, a team based in this capital and largest city of Portugal. This city is located near the mouth of the Tagus River.

ANSWER: **Lisbon** [accept **Lisboa**]

[10] Ronaldo was born in Funchal in the Madeira Islands, a group of islands owned by Portugal off the coast of this country. This northwesternmost African country includes cities such as Marrakesh and Casablanca.

ANSWER: Republic of **Morocco** 

[10] Until 2021, Ronaldo played for Juventus FC, an Italian soccer team in this northern Italian city. It is the capital city of Piedmont and names a shroud that supposedly bears the face of Jesus Christ, thought to be the fabric he wore following his crucifixion

ANSWER: **Turin** [accept **Torino**] < Emmanuel, Geography>

- 13. A tattoo of an eye on this character's ankle is later revealed to be a symbol of an organization called the V.F.D. For 10 points each:
- [10] Name this character who murders Montgomery Montgomery and blames it on a viper in the novel *The Reptile Room*. In his first appearance, this character attempts to legally marry his adopted daughter by making her sign marriage documents while acting in a play.

ANSWER: Count Olaf

[10] Count Olaf attempts to steal the fortune of the orphans Violet, Klaus, and Sunny Baudelaire in this book series by Lemony Snicket.

ANSWER: A Series of Unfortunate Events

- [10] The Baudelaire siblings are orphaned after their home is destroyed by one of these destructive events possibly caused by Count Olaf. Two villains in the series only known as the Man with a Beard but No Hair and the Woman with Hair but No Beard start these events by committing arson. ANSWER: **fire**s <Kher, Literature>
- 14. Salts of this element are sometimes used to treat bipolar disorder. For 10 points each:
- [10] Identify this lightest alkali metal which, along with Strontium, has a red flame test. It has atomic number 3 and the symbol Li.

ANSWER: lithium

[10] The winner of the 2019 Nobel Prize in Chemistry, Dr John Goodenough, used lithium ions to develop a rechargeable type of these devices; previous designs used the "nickel-cadmium" type of these devices.

ANSWER: **batteries** [accept **Lithium-ion batteries** or other types of batteries]

[10] A "pile" named after this man is often considered to be the first functional battery. He is also known for the isolation of methane, as well as for naming the SI unit of electric potential difference. ANSWER: Alessandro **Volta** <Gollamudi, Science>

15. Answer these questions about puzzles you might find in the newspaper, for 10 points each: [10] Many newspapers include these Japanese number puzzles played on 9-by-9 grids in which each digit must appear once in every row, column, and 3-by-3 subgrid.

ANSWER: **Sudoku** 

[10] The most common puzzles published in newspapers are these word puzzles, in which words must be filled into a grid according to "Across" and "Down" clues.

ANSWER: **crossword** puzzles

[10] Crossword constructors often have to use unusual words to fit gaps in puzzles, such as the word "crwth" **(crooth)**, a type of musical instrument whose name contains no vowels and comes from this language spoken in one region of the UK.

ANSWER: **Welsh** [or **Cymraeg** or **y Gymraeg**] <A. Gao, General Knowledge>

- 16. Answer the following about the water cycle, for 10 points each:
- [10] This process in the water cycle happens after condensation, when water vapor condenses into droplets and falls to the ground. Types of this weather phenomenon include rain, snow, and hail.

ANSWER: **precipitation** 

[10] Precipitation can only occur if this quantity is 100% at cloud level. This quantity and temperature are combined to find the heat index.

ANSWER: relative **humidity** 

[10] This process provides the water that condenses into precipitation. Transpiration is the effect of this process on plants, and when this process happens on salt, it leaves salt flats.

ANSWER: evaporation < A. Gao, Science>

17. In one video, Vi Hart used glitter glue and spiral doodles to show how these numbers are found on plants and the spirals of pinecones. For 10 points each:

[10] Name this sequence of numbers. This sequence of numbers begins 1, 1, 2, 3, 5, and a new one of these numbers is made by adding the previous two of these numbers.

ANSWER: the **Fibonacci** sequence [accept **Fibonacci** numbers]

[10] Vi Hart showed in a sequel video that plant leaves are usually arranged according to irrational numbers, which are numbers that can't be made by dividing two of these numbers. These numbers include all whole numbers and their inverses.

ANSWER: integers

[10] Plant leaves are specifically spaced at angles of 360 over this "most irrational" number. The ratios of adjacent Fibonacci numbers approach this "divine proportion," which is around 1.618. ANSWER: the **golden ratio** [or **phi**; accept **section** or **mean** in place of **ratio**] < C. Gao, Math>

18. Charles-Henri Sanson and his descendants were tasked with activating these devices at public ceremonies watched by knitting women. For 10 points each:

[10] Name these devices. One of these devices nicknamed the "National Razor" was used to kill the man who led the Committee of Public Safety.

ANSWER: guillotines

[10] This country's monarchs, King Louis XVI and Queen Marie Antoinette, were famously guillotined during its 1790s revolution.

ANSWER: France

[10] At one point, the guillotine operated at the former site of the Bastille, one of these places in Paris. Highly guarded boats sailed in the San Francisco Bay to take people to one of these places before its 1963 shutdown.

ANSWER: **prison**s [accept equivalents such as **jail** or **penitentiary**] <Kher, History>

19. Animals have been crucial in warfare since the beginning of recorded history. For 10 points each: [10] These war animals were mastered by Mongol soldiers under Genghis Khan. Cavalry units traditionally ride these animals into battle while sitting on saddles.

ANSWER: **horse**s

[10] In the Second Punic War, the Carthaginian general Hannibal brought many of these animals with his soldiers across the Alps. Along with horses, warfare with these animals was very common on the Indian subcontinent, where soldiers would ride them into battle.

ANSWER: **elephant**s [accept war **elephant**s]

[10] A Syrian one of these animals named Wojtek helped Poland move ammunition during the Battle of Monte Cassino in World War II. An 1846 revolt in California against Mexico was named after a flag depicting one of these animals.

ANSWER: **bear**s [accept brown **bear**s or grizzly **bear**s; accept the **Bear** Flag Revolt] < Bhattacharyya, History>

20. A type of electricity described by this word can be experienced after walking on a carpet and touching a metal doorknob. For 10 points each:

[10] Name this word that describes a type of friction contrasted with kinetic friction. This word generally means not moving.

ANSWER: **static** [accept **static** electricity; **static** friction]

[10] A law named after this French scientist states that friction is independent of sliding velocity. This scientist also names an inverse square law analogous to Newton's Law of Universal Gravitation which can be used to find the electrostatic force between two charged objects.

ANSWER: Charles-Augustin de **Coulomb** 

[10] This value is reached when air resistance, which is a type of friction, is equal to an object's weight. This value is the speed of an object at which acceleration can't occur anymore.

ANSWER: terminal velocity < Bhattacharyya, Science >