

TAILS: TAG Academic Introductory Level Set 2020-2021

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Replacement/Tiebreaker Packet

In fluid dynamics, streamlines are vectors instantaneously tangent to those of this quantity. When drag and buoyant forces are equal to gravity, an object experiences the “terminal” variety of this quantity. The amount of this quantity required to overcome the force of gravity is known as the (*) “escape” variety. The rate of change of this quantity is acceleration. For ten points, name this quantity often expressed as a speed combined with a direction.

ANSWER: **velocity** [accept terminal **velocity** or escape **velocity**]

<Physics - Pamurthy>

H. pylori is a bacterium commonly found in this organ. This organ, which is the site of chief cells, also contains parietal cells that secrete intrinsic factor. Foveolar cells produce the mucus that lines the inner walls of this organ, which protect the tissue of this organ from (*) hydrochloric acid. Located between the esophagus and the small intestine is, for ten points, what organ that digests food after it is chewed?

ANSWER: **stomach**

<Biology - Pamurthy>

The relative form of this quantity is defined as the ratio of the partial pressure and equilibrium vapor pressure of water vapor. This quantity, which can be measured with a hygrometer, is maximized at the dew point. This quantity, which is often expressed as a percentage, is used alongside (*) temperature to calculate the heat index. For ten points, name this quantity that indicates the likelihood of fog to be present, the concentration of water in the air.

ANSWER: **humidity** [accept relative **humidity**]

<Other Science - Pamurthy>

These circuit components allow current to flow in only one direction. For ten points each:

[M] Name these circuit components that can convert AC into DC and are common in modern lightbulbs in their “light emitting” type.

ANSWER: **diodes**

[E] This circuit component is used to provide a voltage difference to a circuit and are used in common devices in their AA (“double-A”) and AAA (“triple-A”) varieties.

ANSWER: **battery**

[H] These circuit components store charge, and their “parallel plate” type is the most simple; the voltage difference across one of these devices is equal to the charge stored on this device divided by its namesake property

ANSWER: **capacitors**

<Physics - Farner>

This metal is added to steel to make stainless steel. For ten points each,

[H] Name this transition metal that is named after the Greek word for “color” and is the namesake of some green and yellow pigments.

ANSWER: chromium (accept Cr)

[E] This other transition metal is one of the few metals that can exhibit ferromagnetism, and it is the namesake of the 5 cent coin in American currency, for which it makes up about 25%.

ANSWER: nickel (accept Ni)

[M] This element, another transition metal, is the only metal that is in the liquid phase at standard room temperature, and this toxic element, also known as quicksilver, is commonly used in thermometers.

ANSWER: mercury (accept Hg)

<Chemistry - Farner>

In a play by this author, Samuel Parris discovers his daughter Betty dancing with the slave Tituba in the forest. In that play by this author, Giles Corey is tortured to death by pressing and Abigail Williams is accused of witchcraft. In another play by this author of *The (*) Crucible*, Linda, Biff, and Happy attend Willy Loman’s funeral after he dies in a car crash. For ten points, name this American playwright of *Death of a Salesman*.

ANSWER: Arthur Miller [or Arthur Asher Miller]

<Drama - Yoo>

This author claimed “music hath a far more pleasing sound” and “Coral is far more red than her lips red” in a poem mocking conventional romantic poetry that begins “My mistress’ eyes are nothing like the sun.” This author wrote “Thou art more lovely and more temperate” in a (*) 14-line poem that begins “Shall I compare thee to a summer’s day?” For ten points, what Elizabethan-era “Bard of Avon” wrote 154 sonnets?

ANSWER: William Shakespeare

<Poetry - Yoo>

An author with this last name included poems like “The Swan” and “The Albatross” in his collection *The Flowers of Evil*. A fictional couple with this last name were members of the VFD and were the parents of a girl who ties her hair back in a ribbon to think. Count (*) Olaf is the main enemy of three children with this last name. For ten points, give this last name of Violet, Klaus, and Sunny in Lemony Snicket’s *A Series of Unfortunate Events*.

ANSWER: Baudelaire [accept Charles Baudelaire; accept Baudelaire family or Baudelaires; accept Violet Baudelaire; accept Klaus Baudelaire; accept Sunny Baudelaire; prompt on Violet or Klaus or Sunny]

<Mixed Literature - Yoo> [Edited]

One of the title characters of this novel uses the Great Seal of England as a nutcracker. For ten points each:

[H] Name this novel in which the peasant boy Tom Canty and the Prince of Wales Edward Tudor switch roles in society. Edward vows to reign with mercy and kindness in this novel after experiencing the peasant lifestyle.

ANSWER: *The Prince and the Pauper*

[M] The author of *The Prince and the Pauper* also created this character. This character falls in love with Becky Thatcher and tricks other kids into whitewashing a fence for him.

ANSWER: Tom Sawyer [accept either underlined part]

[E] This American author who invented Tom Sawyer also described a trip down the Mississippi River in *The Adventures of Huckleberry Finn*.

ANSWER: Mark Twain [accept Samuel Langhorne Clemens]

<Long Fiction - Yoo>

This poet's semi-autobiographical poem *The Prelude* was published posthumously. For ten points each:

[M] Name this English Romantic poet. He claimed "Five years have past; five summers, with the length / Of five long winters!" in "Tintern Abbey," a poem written after a walking tour along the River Wye with his sister.

ANSWER: William Wordsworth

[E] Wordsworth's poem "I Wandered Lonely as a Cloud" is sometimes titled for one type of these objects and describes a "host, of golden" ones of these objects "fluttering and dancing in the breeze." In that poem, the narrator's "heart with pleasure fills / and dances with [these objects]."

ANSWER: daffodils [accept flowers]

[H] Wordsworth co-authored this collection with Samuel Taylor Coleridge that marked the beginning of the Romantic movement in English literature.

ANSWER: Lyrical Ballads

<Poetry - Yoo>

In a story by Jorge Luis Borges set in mythical Babylon, one of these luck-based events dictates every activity that takes place. For ten points each:

[M] Name these events. In another story titled for one of these events first published in *The New Yorker*, the title event takes place on June 27th and Tessie Hutchinson draws the only marked piece of paper from a box.

ANSWER: a lottery

[E] At the end of "The Lottery," Tessie dies in this manner by the hands of the townspeople. This form of capital punishment involves a group of people throwing rocks at the target until they die from blunt force trauma.

ANSWER: stoning [accept lapidation]

[H] This author received a large amount of criticism from the readers of *The New Yorker* in response to her story "The Lottery." This author also wrote the supernatural horror novel *The Haunting of Hill House*.

ANSWER: Shirley Jackson

<Short Fiction - Yoo>

This politician requested that James K. Polk specify the "spot" where Mexicans spilled blood on American soil in his "Spot Resolutions." In his Cooper Union address, this politician affirmed his opposition to expansion of slavery. This politician stated that "a (*) house divided against itself cannot stand" in a speech against Stephen Douglas. For ten points, name this politician who, as president, issued the Emancipation Proclamation.

Answer: Abraham Lincoln

<US History - Volney>

One king of this country imprisoned his mother, Joanna the Mad, and sponsored Magellan's circumnavigation of the globe. Another king of this country married Mary I of England and sent a large armada to that country to claim the English throne after her death. That king, (*) Phillip II, also became heir to the throne of Portugal during the Iberian Union. For ten points, name this kingdom led from Madrid.

Answer: Kingdom of Spain

<European History - Havlick>

The Dutch were given special trading permissions at this country's artificial island of Dejima. Imperial leadership was reinstated after this country experienced the Boshin War. After "Black Ships" entered the harbor of this country's capital in 1853, this country signed the Treaty of (*) Kanagawa with the United States. For ten points, name this country where the Tokugawa Shogunate once ruled.

Answer: Japan

<World History - Volney>

Former secretary of state John Kerry claimed that this country was a “narco-kleptocracy.” For ten points each:
[M] Name this Central American country once led by Manuel Noriega that separated from Colombia in 1903. It was invaded by the United States in Operation Just Cause in 1989.

Answer: Republic of **Panama**

[H] This man ordered the invasion of Panama during his presidency. This man also negotiated NAFTA and presided over the First Gulf War. This Republican’s son also became president in 2001.

Answer: George **H.W. Bush**

[E] In 1977, the Trujillos-Carter Treaty agreed to give one of these structures back to the Panamanians. The Panamanian one of these structures connects the Pacific and Atlantic Oceans, allowing ships to avoid the long journey around South America.

Answer: **canal**

<World History - Havlick>

During a failed coup d’état, this man attempted to put Erich Ludendorff in power.

[M] For ten points, name this man, who, after his arrest for his leadership in that Beer Hall Putsch, composed Mein Kampf from his prison cell.

ANSWER: Adolf **Hitler**

[E] Hitler was the leader of this far-right German political party, whose paramilitary branches included the SS and SA. This party also conducted the Holocaust during World War II.

ANSWER: **Nazi Party** [accept **NSDAP** or the **Nazis**]

[H] This Nazi Party member advocated for a style of "total war" when it became apparent that the Germans were going to lose World War II. He also served as the Minister of Propaganda under Hitler.

ANSWER: Joseph **Goebbels**

<World History - Volney>

Despite being a Democrat, this president was supported by a group of Republican activists who took their name from the Algonquian term for “war leader.” For ten points each:

[E] Name this president, whose victory in the election of 1884 was largely due to support from the Mugwumps. The Panic of 1893 began this president’s second term, the only nonconsecutive term of any president.

ANSWER: Grover **Cleveland** [accept Stephen Grover **Cleveland**]

[H] During his second term, Cleveland sent in troops to put down this 1894 strike based on his constitutional responsibility to have mail delivered. This railroad strike was led by Eugene V. Debs.

ANSWER: **Pullman** Strike

[M] Cleveland grew up in this state, where he began his political career before entering the presidency. Cleveland opposed the power of Tammany Hall in this state, where he previously served as the Mayor of its city of Buffalo.

ANSWER: **New York** State

<US History - Pamurthy>