

# Wolfie Bowl

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## Packet 12

1. **In one work, this man spars with Ajax at Patroclus' funeral games and the two later retrieve the body of Achilles. In another work, this man hides under the belly of a sheep after identifying himself as (\*) "nobody" to Polyphemus.** He receives a bag of winds except for the west wind which would have taken him home to Ithaca. He later slays Penelope's suitors and reunites with his son Telemachus. For 10 points, name this Greek hero whose journey home is chronicled in the sequel to the Iliad.

ANSWER: Odysseus or Ulysses

2. **The probability a number  $n$  is prime is  $1$  over this function applied to  $n$ , by the prime number theorem. The derivative of this function is  $1$  over  $x$ . First discovered by (\*) John Napier,** this function can be modified by a change of base formula. The decibel is a unit used to express the ratio of these functions. Examples of this function are "binary" and "natural." For 10 points, name this function which is the inverse of exponentiation.

ANSWER: logarithm

3. **In Act II of this opera, the Habsburg princess Mathilde sings "sombre forêt" while waiting for her lover, Arnold. The title character is captured after refusing to bow to the (\*) hat of Austrian governor, Gesler, and Jemmy is told to "sois [swah] immobile" in Act III of this opera.** This opera's overture recounts a storm and ends with the "March of the Swiss Soldiers." The title Swiss character is forced to shoot an apple off his son's head in, for 10 points, what opera by Gioachino Rossini?

ANSWER: William Tell (accept Guillaume Tell or Guglielmo Tell)

4. **The attempted repeal of the Test Acts and a letter from the "immortal seven" were causes for this event. This event's only battle was at Reading [Redding]. This event was precipitated by the birth of James Francis Edward (\*) Stuart** which arose fears of a continued Catholic monarchy. This event resulted in the passage of the English Bill of Rights. For 10 points, name this event in which King James II of England was replaced by Mary II and William of Orange.

ANSWER: Glorious Revolution or Revolution of 1688 or the Bloodless Revolution

5. **A Lagrange top requires that two of these quantities of a rigid body must be equal to each other. This quantity computed for an object with respect to two different (\*) parallel axes differ by the object's mass times the perpendicular distance of the axes squared.** This quantity equals an object's torque divided by its rotational acceleration. For 10 points, name this quantity which indicates an object's resistance to rotational motion.

ANSWER: moment of inertia (prompt on partial answer)

6. **One of these events was investigated by the Roger Commission and killed seven people, including Judith Resnik, a mission specialist. Another type of this event occurred 17 years later and killed another seven people after the failure of a piece of foam, forming a hole and damaging a (\*) wing,** while the first incident mentioned was due to the failure of an O ring. For ten points, what type of disaster killed the crew members of the Columbia and school teacher Christa McAuliffe in the Challenger?

ANSWER: space shuttle disaster (accept descriptions)

7. **The southern panhandle in this state contains the largest national forest in the United States, the Tongass National Forest. Also in the southern region of this state is its current state capital as well as the former capital, Sitka. Running across this state is the (\*) Alyeska [al-YES-kuh] Pipeline which travels southward through the Yukon River. This U.S. state is across from Asia through the Bering Strait.** For 10 points, name this northernmost state of the United States with capital at Juneau.

ANSWER: Alaska

8. **This man defended Grace Fortescue in a trial after she murdered a Hawaiian prizefighter. Prior to that, this man defended Ossian Sweet after the Sweet family faced racially charged harassment in a (\*) white Detroit neighborhood. In one trial, this high profile lawyer asked another man if he believed Joshua made the sun stand still. This man was pitted against William Jennings Bryan in a case debating the teaching of evolution.** For 10 points, name this man who defended John Scopes in the Scopes Monkey Trial.

ANSWER: Clarence Darrow

9. **One species of these organisms in the genus Halomonas was discovered in the Titanic wreckage. The Luria-Delbrück experiment described their random adaptations. Some of these turn violet in a classification technique developed by (\*) Hans Christian Gram. Those organisms are classified as gram negative or gram positive. These organisms split first on the evolutionary tree before Archaea and Eukarya [you-care-ee-uh].** For 10 points, name these organisms that contain species like E. coli.

ANSWER: bacteria

10. **One person from this family opposed Cardinal Richelieu in the Day of the Dupes. This family was the subject of the Pazzi conspiracy and one member signed the Edict of Amboise. That member ordered the assassination of Gaspard de Coligny in the (\*) St. Bartholomew's Day massacre. This family opposed by Girolamo Savonarola included a Queen of France named Marie as well as Cosimo and Lorenzo the Magnificent.** For 10 points, name this Italian banking family of Florence.

ANSWER: de' Medicis

11. **In one play by this author, a character owns two cats and two parakeets. That character, Peter, encounters Jerry at a park who pulls out a knife and ends up impaling himself on it. In another play by this author, a character learns that his (\*) imaginary son died after swerving a car to avoid a porcupine. In that play by this man, Nick and Honey play the game "Get the Guests" with George and Martha. For 10 points, name this American playwright of *The Zoo Story* and *Who's Afraid of Virginia Woolf*?**

ANSWER: Edward Albee

12. **In one work by this composer, Wagner’s love-death leitmotif interrupts a dance. That piece along with “Jimbo’s Lullaby” is part of this composer’s (\*) Children’s Corner. A piece by this composer that is subtitled “Three Symphonic Sketches for Orchestra” contains the “Play of the Waves” movement. This composer’s Suite bergamasque includes a piece named for a Paul Verlaine poem. For 10 points, name this French composer of La Mer and Clair de Lune.**

ANSWER: Claude **Debussy**

13. **The protagonist of this novella recalls a city which he describes as a “whited sepulcher.” A character in this novella is called a prodigy by a brick maker and that character hand writes a postscript that reads “exterminate all the brutes!” In this novella, the (\*) Congo river is described as an “immense snake uncoiled.” The dying words of Kurtz are “the horror, the horror” although his fiancée is told that his last word was her name by Captain Marlow. For 10 points, name this novella by Joseph Conrad.**

ANSWER: **Heart of Darkness**

14. **This formulation is known for restricting the minimum size of a transistor. The Schrödinger equation is used to estimate the probability of this formulation occurring, independent of time. This formulation also plays a large role in (\*) radioactive decay. Due to this formulation, particle properties and location are usually given within a range, known as the Heisenberg uncertainty. For 10 points, name this phenomenon that is described as “teleportation” of subatomic particles.**

ANSWER: **quantum tunneling**

15. **The Barnette case ruled that this principle protected students, but this principle was later restricted for students who held signs reading “Bong Hits 4 Jesus.” Charles Shenck argued his anti-war advocacy was protected by this principle, but the Supreme Court claimed this principle does not protect (\*) “clear and present danger.” While hate speech is protected under this principle, obscenity is not. For 10 points, name this right to express opinions, declared in the First Amendment of the U.S. Constitution.**

ANSWER: **freedom of speech** (accept freedom of expression; accept “First Amendment” before it is read)

16. **The wine goddess Siduri tells this man where to find Urshanabi. A snake steals the plant of eternal youth from (\*) Utnapishtim, who earlier survived a great flood and gives advice to this figure. This man wakes up next to a loaf of stale bread and rebuffs the goddess Ishtar. This man slays the Bull of Heaven with his wild friend Enkidu on his quest for immortality. For 10 points, name this hero of a namesake Mesopotamian poem.**

ANSWER: **Gilgamesh** (accept “He who saw the deep” or “He who saw the abyss or Surpassing all other kings”)

17. **The army of this empire came from the horon class. The governing assembly of this empire was known as the Gbara and 16 clans from that assembly were known as the “carriers of (\*) quiver.” The first ruler of this empire, Sundiata Keita, defeated Sumanguru in the Battle of Kirina. Perhaps the most famous ruler of this empire created the Sankore University and devalued gold while embarking on a hajj. For 10 points, name this West African empire once ruled by Mansa Musa.**

ANSWER: Mali empire

18. **In one expansion pack for this game franchise, there is a possibility that a player's male character could be impregnated by aliens. The third iteration of this video game franchise takes place 25 years before the second iteration where (\*) Bella Goth mysteriously disappeared. Characters in this game notably possess a green crystal above their heads called a plumbob. For 10 points, name this video game franchise in which players control the daily lives of the namesake species.**

ANSWER: The Sims (accept "The Sims 3" or "The Sims 2" before the second sentence is read; anti-prompt on "The Sims 1," "The Sims 2," "The Sims 3," "The Sims 4," or any other variants after the entire question is read)

19. **Variants of this rock can be categorized using Dott's classification scheme. The arenite variant of this rock has a significant amount of matrix while the wackes variant has very little matrix. Because this rock is porous enough to allow the percolation of water, it is commonly used in (\*) aquifers and also reservoirs for oil and gases. For 10 points, name this clastic sedimentary rock that is composed of pre-existing fragments of other rocks and minerals.**

ANSWER: sandstone

20. **In one poem by this author, the speaker asks "does my sassiness upset you? Why are you beset with gloom?" This author of "Still I Rise" wrote of the Rock commanding "to face your distant destiny" in a poem that was read at the inauguration of (\*) Bill Clinton. In another poem, this author describes a title animal as singing of Freedom. For 10 points, name this African American author of the poem "On the Pulse of Morning" and the autobiography *I Know Why the Caged Bird Sings*.**

ANSWER: Maya Angelou