

# Wolfie Bowl

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## Packet 1

1. **The outer membrane of this organelle has the TOC complex which polypeptides must pass through to enter. The enzyme that catalyzes the carboxylation of RuBP is found in this organelle. It's not the mitochondria, but this organelle has its own (\*) DNA and ribosomes located in the stroma. Stacks of thylakoid known as grana can be found in this organelle that is only present in plants and certain protists. For 10 points, name this organelle that contains chlorophyll and is the site of photosynthesis.**

ANSWER: **chloroplast(s)**

2. **The victim of this event died the next morning at Petersen House and the perpetrator of this event was killed in a burning barn by Boston Corbett. For the accusation of conspiracy in this event, (\*) Mary Surratt became the first woman to be executed in the U.S. This event occurred during a showing of *Our American Cousin* at the Ford's Theatre. For 10 points, name this 1865 event in which John Wilkes Booth shot the 16th U.S. president.**

ANSWER: **Assassination** of President Abraham **Lincoln**

3. **This man was born holding the heel of his twin brother and was tricked into marrying Leah by Laban. This man deceived his father by wearing goatskin on his arms and in exchange for birthright, this man sold red lentil soup to (\*) Esau. This man who envisioned a ladder, wrestled an angel and received the name Israel. One of his sons was accused of stealing a silver cup and another one of his sons received a multi-colored coat. For 10 points, name this patriarch to the twelve tribes, the son of Isaac.**

ANSWER: **Jacob** (accept **Yaakov**, **Ya'aqov**, **Yaqub**; accept **Israel** or **Yisrael** until it is read)

4. **The ratio of infinitesimal pressure increase to the resulting relative decrease of this quantity defines bulk modulus. This quantity stays fixed under shear, tensile, and compression stresses. This quantity can be found by the (\*) displacement of water, according to the Archimedes principle. This quantity is nonzero for all rigid bodies and zero for all points. This quantity equals mass multiplied by density. For 10 points, name this quantity that is the amount of space an object occupies.**

ANSWER: **volume**

5. **One character in this play frequents the jazz club, the Green Hat. Another character in this play receives marriage proposals from George Murchison and Joseph Asagi. That character, Beneatha, straightens her (\*) hair to fit in with an all white Chicago suburb. The title of this play is taken from the Langston Hughes poem, "Harlem" which discusses "what happens to a dream deferred." For 10 points, name this 1959 American play by Lorraine Hansbury that tells the story of the Younger family.**

ANSWER: A **Raisin in the Sun**

6. **This agreement revoked the Edict of Restitution and its ambiguity led to Bremen declaring imperial immediacy. The Treaty of Pyrenees ended a conflict between France and Spain that was created by this agreement. This agreement granted (\*) Dutch independence and upheld the principle that a country's religion is determined by its ruler which was first established in the Peace of Augsburg. For 10 points, name this 1624 series of agreements that ended the Thirty Years War.**

ANSWER: Peace of Westphalia

7. **In the third movement of this symphony, horns repeat G notes while the strings alternate C minor and G chords. This work ends in a C major fortissimo despite it being in the key of (\*) C minor. This symphony's motif is described as "fate knocking at the door." The beginning of this symphony has three G notes of equal duration and is followed by a sustained E flat. For 10 points, name this symphony by Beethoven, known for its short-short-short-long motif.**

ANSWER: Symphony No. 5 in C minor by Beethoven or Beethoven's Fifth Symphony (accept Beethoven Opus 67; accept Fifth Symphony after "Beethoven" is read)

8. **These expressions can be simplified using Lill's method. Any continuous function on a closed interval can be closely uniformly approximated as one of these expressions. A graph of these expressions that do not pass through the (\*) x-axis cannot be factored. These functions have no solution in radicals when raised to the degree of 5 or higher according to the Abel Impossibility Theorem. For 10 points, name these mathematical expressions that include coefficients and exponents with an example being  $x^2 + 3x$ .**

ANSWER: polynomial(s)

9. **One ruler of this dynasty suppressed the Zanj slave rebellion. This dynasty eventually fell under control of the Buyids and Seljuks after power started to devolve to autonomous localities. A ruler from this dynasty was rolled up in a (\*) carpet and trampled to death by horses during a 1258 Mongol invasion. This dynasty gained power when Abu Muslim defeated Marwan II at the Battle of the Great Zab River. For 10 points, name this Islamic caliphate centered at Baghdad, the successor of the Umayyad dynasty.**

ANSWER: Abbasid Caliphate or Dynasty

10. **The decor of this television series inspired Congressman Aaron Schock to redecorate his office. In one episode of this series, a wounded soldier claims to be the central family's cousin, who was believed to have died in the sinking of the Titanic. In another episode, Matthew dies in a (\*) car crash and leaves George as the heir to this show's title estate. The Earl of Grantham is the patriarch of the Crawley family in, for 10 points, what British television show about an aristocratic Yorkshire family and their servants?**

ANSWER: Downton Abbey

11. **In one of this author's short stories, Dmitri Gurov begins an affair with Anna. In another story by this author, Dr. Hobotov tricks Andrei into entering a mental asylum ward. This author of "The Lady with a Dog" and "Ward No. 6" also wrote about (\*) Anya falling in love with the "eternal student" Peter Trofimov in a play that ends with the sound of axes chopping down trees. For 10 points, name this Russian author of *The Cherry Orchard*.**

ANSWER: Anton Chekov

12. The “pro”-named subgroup of these organisms were pollinated by scorpionflies with an elongated proboscis [proh-BOH-sis] to feed on pollen grains in the water. As a neurotoxin, BMAA has been found in the covering of cycad seeds in these organisms. Phyla in this group include (\*) ginkgos and conifers. Bearing a name which translates to “naked seed.” For 10 points, name this group of plants that lack an enclosed chamber for its seeds, as opposed to angiosperms.

ANSWER: gymnosperm(s)

13. In this court case, it was concluded that the Supreme Court could not issue a writ of mandamus. This case arose when one side refused to approve the opponent’s (\*) commission. The Supreme Court ended up declaring that the refusal of the commission was illegal, but it also concluded that the Judiciary Act of 1789 was unconstitutional. President John Adams’ commission of the midnight judges led to this court case. For 10 points, name this court case that established the principle of judicial review.

ANSWER: Marbury v. Madison

14. A church in this novel received its name “First Purchase” because it was paid for by the first earnings of free slaves. While walking home from a Halloween pageant, the protagonist and her brother are saved from Bob Ewell’s attacks by (\*) Boo Radley. Jem’s sister quells a lynch mob that targeted Tom Robinson who is accused of rape and is later found guilty despite being defended by Atticus Finch. For 10 points, name this novel set in Maycomb, narrated by Scout, and written by Harper Lee.

ANSWER: To Kill a Mockingbird

15. A barn is in the top middle of this painting and its right side depicts a distant three story farmhouse with dual chimneys, two dormers, and a shed. That farmhouse belongs to the painter’s neighbor, the (\*) Olson family of Cushing, Maine. The subject of this painting wears a pink dress and is facing away from the viewer with her body partly twisted. For 10 points, name this 1948 painting by Andrew Wyeth.

ANSWER: Christina’s World

16. The speaker of this poem describes “knock kneed” men “coughing like hags” who are “drunk with fatigue.” This poem’s speaker later sees a man “drowning as under a green sea” in an “ecstasy of fumbling” as he fails to get his (\*) mask on in time. This poem whose title is a quote from the Roman poet Horace which roughly translates to “it is sweet and fitting,” ends with the translated “to die for one’s country.” For 10 points, name this anti-World War I poem that describes a gas attack by Wilfred Owen.

ANSWER: Dulce et Decorum Est

17. The triarchic theory of this psychological concept was developed by Robert Sternberg. This concept was divided by Howard Gardner into eight variants including musical and spatial. Charles Spearman developed the (\*) g factor relating to this concept. It can be divided into fluid and crystallized varieties and the Flynn effect describes the gradual rise in this concept over time. For 10 points, name this concept which can be measured in a quotient by the Stanford-Binet test.

ANSWER: intelligence (accept IQ before “quotient” is read)

18. **Moonstones and sunstones belong to this class of minerals. The arsenate composed filatovite is an extremely rare kind of these minerals. Sanidine is the high temperature form of one type of these minerals, while microcline is the low temperature form. The continuous branch of the (\*) Bowen reaction series displays the transition of the sodium and calcium rich plagioclase form of these minerals. For 10 points, name this class of tectosilicate minerals, the most abundant in Earth's crust.**

ANSWER: **feldspar**

19. **The 10 Days on the Island arts festival takes place in this region. The Port Arthur massacre in this region led to stricter gun control laws in its country. The Tamara River flows toward the town of Low Head from (\*) Launceston on this island that includes the Tarkine forest. Notable fauna from this island include the eponymous "devil." This island is separated from its country's mainland by the Bass Strait. For 10 points, name this southern Australian island state with a capital at Hobart.**

ANSWER: **Tasmania**

20. **This leader tried to rally British support in his "Letter from Jamaica." During his Admirable Campaign, this leader gave his "Decree of War to the Death" speech. The Battle of Pichincha was won by this man's lieutenant, Andre Jose de (\*) Sucre. After leaving a republic led by Francisco de Miranda, this leader wrote the Cartagena Manifesto. This man who won the battles of Boyacá and Carabobo, led the short lived Gran Colombia republic. For 10 points, name this South American leader nicknamed "The Liberator."**

ANSWER: **Simón Bolívar**