

1994 Heinrich Bowl  
Question Packet 18

1. This composer was born in Paris in 1838, and while his first opera, The Pearl Fishers, was poorly received, his The Fair Maid of Perth earned him widespread acclaim. For 10 points, identify this composer most known for his violent love story based Prosper Merimee's, Carmen.

Answer: Georges Bizet

2. He received his doctoral degree in physics in 1911 and studied at Cambridge under J.J. Thomson. During World War II he fled Europe to escape the Nazis and traveled to Los Alamos, where he served as an advisor to the scientists working on the atomic bomb. For 10 points, identify this 1922 Nobel laureate one of the most famous physicist to come out of Denmark.

Answer: Niels Bohr

3. The historic name of the present-day city of Edirne, Turkey, it was built in 125 AD by the Emperor Hadrian and was restored to Turkish rule in 1922. For 10 points, identify this city most famous as the site of an historic 378 AD battle in which the Romans lost to the Visigoths.

Answer: Adrianople

4. The greatest English writer during the Restoration, his early works include The Wild Gallant, The Rival Ladies, and a joint effort with Robert Howard entitled The Indian Queen. A scandal involving the dramatist Elkanah Settle modified his literary style, and he went on to produce some of the most memorable works of the period. For 10 points, identify this author of MacFlecknoe, and Absalom and Achitophel.

Answer: John Dryden

5. This chemical element is nonmetallic and was discovered by the German alchemist Hennig Brand in 1669. Its three allotropes include the black, white, and red varieties. For 10 points, identify this element with atomic number 15 and chemical symbol P.

Answer: phosphorus

6. It is about 2,000 miles long and crosses prairies, deserts, and mountains. Nathaniel Wyeth, Benjamin Bonneville, and John C. Fremont were among the first to travel it. For 10 points, identify this largest of the overland routes used in the westward expansion of the United States, which ran from Independence, Missouri to the Pacific Northwest.

Answer: Oregon Trail

7. The son of a minister, this psychiatrist and psychologist used the terms introvert and extrovert to describe people. His de-emphasis of sexuality led to a break with Freud in 1913 and he thought therapy should bring people in contact with the collective unconscious. For 10 points, identify this Swiss man who developed the field of analytical psychology.

Answer: Carl Jung

8. Born in 1809, this Russian playwright, novelist, and short story writer was known as a humorist, and as the years passed he worried increasingly about the moral influence of his works on the Russians. While living in Rome he came under the influence of a fanatical priest who encouraged him to burn the second part of his epic, the Dead Souls. For 10 points, identify the author of the Inspector General and the Overcoat.

Answer: Nikolai Gogol

9. A graduate of the University of North Carolina, his short height and his speeches won him the nickname, "Napoleon of the Stump." In 1835, he became speaker of the house and in 14 years as a congressman he was absent only once. He was the only Speaker to become elected President and his Vice President was George M. Dallas. For 10 points, identify the 11th President of the United States.

Answer: James K. Polk

10. Accessible only by the rainbow Bifrost, this domain in Scandinavian mythology included the residence of the deities known as the Aesir. In this area situated at the highest point between heaven and Midgard, each member of the Aesir had a splendid mansion including the most beautiful Valhalla. For 10 points, give the name of this mythical place.

Answer: Asgard

11. A statement of a proof of its existence was alluded to in the margin of it's creator's edition of Diophantus Arithematica and it states that  $x^n+y^n=z^n$  has no solution in integers for n greater than 2. For 10 points, name this theory which has challenged mathematicians for centuries.

Answer: Fermat's Last Theorem

12. Born in the Italian Alps this artist held the rank of Count Palantine and was awarded the order of the Golden Spur. He completed Giorgione's Sleeping Venus after his teacher's death and his own works include Venus and the Lute Player, Martyrdom of Saint Lawrence, and Venus of Urbino. For 10 points, identify this Venetian artist of Sacred and Profane Love.

Answer: Titian

13. The only significant high lands in this Central Asian Republic are in the Kopet Dag, a mountain range along the Iranian border. The Kara Kum desert covers about 80% of this republic which became a Soviet republic in 1925 and independent in 1991. For 10 points, name this nation with its capital at Ashkabad.

Answer: Turkmenistan

Profoundly influenced by the German expressionist movement, this playwright's grim and moving psychological dramas marked a departure from the romantic conventions of the theater as entertainment. His works include The Long Voyage Home, Lazarus Laughed, and Dynamo. For 10 points, identify this Nobel Prize-winning American author of Long Day's Journey Into Night.

Answer: Eugene O'Neill

15. 1 and 2 Esdras, Wisdom, Sirach, and 1&2 Maccabees. These books cannot be found in the Jewish bible or many Protestant bibles. For 10 points, give the collective name for these books considered the inspired word by Roman Catholics.

Answer: Apocrypha

16. Named for their discoverer, these small clusters of special cells can be divided into alpha and beta cells. Insulin is produced by the beta cells and glucagon is secreted by the alpha cells. For 10 points, identify these small clusters scattered throughout the pancreas.

Answer: Islets of Langerhans

17. Signed in 1864 by representatives of 16 European countries it provided that sick and wounded combatants be cared for; that medical personnel, buildings, and transport should be spared; and that a distinct emblem such as a Red Cross be used to identify persons and places on medical missions. For 10 points, identify this international treatise designed to mitigate the horrors of warfare.

Answer: First Geneva Convention

18. This American poet and abolitionist born in 1807 is often called the Quaker Poet. The abolitionist cause dominates his poems The Moral Warfare and Massachusetts to Virginia. Although his finest political poem is considered "Ichabod" he is best known for his "Snowbound." For 10 points, name this poet.

Answer: John Greenleaf Whittier

19. Known for his erratic and capricious style, this man nazified Prussia and attempted to strengthen the Prussian police force, the Gestapo, but later became discredited by the air force's defeat in the Battle of Britain and committed suicide the day before his scheduled execution. For 10 points, identify this Nazi political leader and air force commander.

Answer: Hermann Goering

20. A current will flow in a loop in a direction such that its own field will oppose any change in the external magnetic field. For 10 points, name this principle of electromagnetism which describes the direction of flow of an electric current generated in a loop of wire when an external magnetic field passes through the loop.

Answer: Lenz's Law

21. This American playwright and novelist was born in Madison, Wisconsin and his novels include The Eighth Day, The Woman of Andros, and Heaven's My Destination. His plays include The Long Christmas Dinner and the Matchmaker. For 10 points, name him.

Answer: Thornton Wilder

22. This German physicist based his theories about atomic structure on the frequencies of light given off by atoms. He used studies of atomic spectra to develop matrix mechanics but is best known for his discovery of the uncertainty principle. For 10 points, name him.

Answer: Werner Heisenberg

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1. Given the description of a Supreme Court case, name it For 10 points each.

1. This 1963 ruling stated that the due process clause of the 14th Amendment extended to state as well as federal defendants. It stated that persons charged with serious crime must be provided with an attorney.

Answer: Gideon vs. Wainwright

2. In this 1935 decision, the Court ruled that Congress exceeded its authority to delegate legislative powers and to regulate interstate commerce when it enacted the National Industrial Recovery Act.

Answer: Schechter Poultry Corp. vs. US

3. This 1896 decision affirmed the "separate but equal" doctrine in a case concerning segregation of railroad trains.

Answer: Plessy vs. Ferguson

2. Identify these brain parts For 10 points each:

1. This small gland regulates the body's water balance, the metabolism of fats and carbohydrates, and serves as the body's thermostat.

Answer: hypothalamus

2. It has white matter on the outside and gray matter on the inside and the center which controls breathing and heartbeat can be found in this section.

Answer: medulla

3. Functioning as the "motor feed back center" it is primarily concerned with the coordination of muscle activity.

Answer: cerebellum

3. Identify the following famous ships from U.S. History for 10 points each.

1. This ship under the command of John Paul Jones battled the Serapis.

Answer: Bonhomme Richard

2. Great Britain agreed to \$15 and 1/2 million dollars for damages this and other Confederate cruisers inflicted on the Union Navy. This ship was sunk in the English Channel.

Answer: Alabama

3. Sunk in Havana Harbor, this ship became a rallying cry during the Spanish American War.

Answer: Maine

4. For 5 points each, give the only US state bordered by the following pairs of states.

1. Arkansas and Virginia

Answer: Tennessee

2. Iowa and Oklahoma

Answer: Missouri

3. Washington and Utah

Answer: Idaho

4. Ohio and Wisconsin

Answer: Michigan

5. Delaware and Ohio

Answer: Pennsylvania

6. Wyoming and Minnesota

Answer: South Dakota

5. Given the work of art, name the painter on a 10-5 basis:

1. 10: The Anatomy Lesson of Dr. Tulp

5: The Night Watch

Answer: Rembrandt van Rijn

2. 10: Burial of Count Orgaz

5: View of Toledo

Answer: El Greco

3. 10: Still Life with Apples

5: Mont Saint Victoire

Answer: Paul Cezanne

6. Given the works by a Russian writer, name him on a 10-5 basis:

1. 10: The Devils

5: The Idiot

Answer: Fyodor Dostoevsky

2. 10: The Petty Bourgeois

5: The Lower Depths

Answer: Maxim Gorky

3. 10: The Death of Ivan Illych

5: Anna Karenina

Answer: Leo Tolstoy

7. Physical constants abound in chemistry. For 10 points each, given a constant, name it.

1.  $0.08206 \text{ L-atm/K-mol}$

Answer: ideal gas constant

2.  $9.11 \times 10^{-31} \text{ kg}$

Answer: rest mass of an electron

3.  $1.66 \times 10^{-27} \text{ kg}$

Answer: atomic mass unit

8. Identify the composers of the following ballets for 10 points each.

1. Petrushka Answer: Igor Stravinsky

2. Sleeping Beauty Answer: Peter Tchaikovsky

3. Rodeo Answer: Aaron Copland

9. Identify the Nobel Prize winning physicist on a 10-5 basis, given the year he received the prize for 10 points, or why he won for 5.

1. 10: 1938

5: He demonstrated the existence of new elements by irradiation.

Answer: Enrico Fermi

2. 10: 1945

5: He discovered the exclusion principle

Answer: Wolfgang Pauli

3. 10: 1918

5: His work on energy quanta was recognized in the Nobel Prize.

Answer: Max Planck

10. Given the losing commander for 10 pts., or given the year for 5 pts., identify these famous battles from European history (3 parts, 10-5 basis):

A. 10 pt. clue - Datis & Artaphernes of the Persians

5 pt. clue - 490 BC

Answer: Marathon

B. 10 pt. clue - Prussian Duke of Brunswick (hint: he was beaten by the French)

5 pt. clue - 1792

Answer: Valmy

C. 10 pt. clue - Turkish admiral Ali Pasha

5 pt. clue - 1571

Answer: Lepanto

11. Identify this writer 30-20-10.

1. His first play, The Countess Cathleen, was inspired in part for his love for the Irish nationalist leader Maud Gonne.

2. A senator for the Irish free state he is also the author of the Wild Swans of Coole.

3. Winner of the 1923 Nobel Prize in Literature, his poems include

Second Coming and The Lake Isle of Innisfree.

Answer: William Butler Yeats

12. Given the description of a term in the American government system, name it for 10 points each.

1. The parliamentary process by which a filibuster is ended. It requires a motion and a petition signed by 16 senators and an affirmative vote of 3/5 of the total senate membership.

Answer: cloture

2. It is generally traced to the Latin phrase per legem terrae (by the law of the Land) and this clause was included in Amendment 5 and extended to States by the 14th Amendment.

Answer: due process

3. Contained within the First Amendment, this clause refers to state sponsorship of any type of religion.

Answer: establishment

13. Given the description of a Shakespearian character, name him or her for 10 points each:

1. Shakespeare writes in Julius Caesar, that he had a "lean and hungry" look.

Answer: Cassius

2. He appears in King Henry the Fourth Parts I and II, and the Merry Wives of Windsor. His death is reported in Henry the Fifth.

Answer: Sir John Flastaff

3. Shakespeare's "shrew," she and Petruchio are combatants in a battle of the sexes. Ada Rehan and Lynn Fontaine have portrayed her character in various adaptations.

Answer: Katharina

14. Identify these Russian czars from a brief description for 10 points each:
1. This czar fought a war with the Turks and led Russia into the Crimean War. He also crushed the Decembrist Uprising.  
Answer: Nicholas I
  2. Emperor of Russia from 1881 to 1894, he persecuted Jews and formed the Franco-Russian alliance on December 1, 1893.  
Answer: Alexander III
  3. On March 1, 1881 he was assassinated by a bomb thrown by a revolutionary terrorist organization. He ascended to the thrown following the death of his father Nicholas I and was given the sobriquet "Czar Liberator"  
Answer: Alexander II
15. Given the philosophers works, identify the philosopher For 10 points each:
1. An Essay Concerning Human Understanding  
Answer: John Locke
  2. An Enquiry Concerning Human Understanding  
Answer: David Hume
  3. De Cive, Behemoth  
Answer: Thomas Hobbes
16. Given the poems, identify the American poet For 10 points each:
1. Brahma, The Rhodora  
Answer: Ralph Waldo Emerson
  2. Flesh and the Spirit, To My Dear and Loving Husband  
Answer: Anne Bradstreet
  3. Seaweed, The Tide Rises, The Tide Falls  
Answer: Henry Wadsworth Longfellow
17. Identify these books of the Bible for 10 points each:
1. Its Hebrew name means "in the Wilderness" and it is named for the census returns in its opening chapters.  
Answer: Numbers
  2. Traditionally attributed to Solomon, this book consists of long reflective poems, numerical sayings, rhetorical questions, and riddles. The more sophisticated poetry in Chapters 1-9 may have well come from Egyptian sources.  
Answer: Proverbs
  3. This great prophetic book which in Hebrew means "salvation of Yahweh," is traditionally considered written during three time periods. The poem of the suffering servant contained in Chapters 52 and 53 has been considered a Messianic prophecy.  
Answer: Isaiah
18. Identify the following Native Americans from clues for 10 points each.
1. This Apache leader's given name means "one who yawns."  
Answer: Geronimo
  2. This Shawnee medicine man was the brother of Tecumseh.  
Answer: the Prophet
  3. This leader of the Nez Perce is famous for the quote, "I will fight no more forever."  
Answer: Chief Joseph
19. For 10 points each, identify the following terms from electronics.
1. It consists of conducting sheets separated by an insulating material and is a device which stores electric charge.  
Answer: capacitor
  2. This term is applied to a very thin wire of high resistance which glows white hot when a current is passed through it. They are used in light bulbs and thermionic valves.  
Answer: filament
  3. It is the term applied to a circuit in which the current passes through the components in succession, without being divided.  
Answer: series
20. Everyone knows that Eddie Robinson of Grambling St. holds the record for most college football victories

for all divisions. But give the top six coaches with NCAA Division I-A victories (6 parts, 5 pts. each):

- Answers: 1. Paul "Bear" Bryant      4. Joe Paterno  
2. Amos Alonzo Stagg      5. Woody Hayes  
3. Glenn "Pop" Warner      6. Bo Schembecler