

1994 Heinrich Bowl
Question Packet 10

1. He co-scripted, with Mel Brooks, both Silent Movie and High Anxiety and appeared in both. He made his directorial debut in 1982 and followed that with such films as The Natural, Young Sherlock Holmes, and Good Morning, Vietnam. For 10 points, identify this director who used his native Baltimore in his films Avalon, Tin Men, and his first movie, Diner.

Answer: Barry Levinson

2. His other books include A New Method of Chess Notation and A Shakespeare Phrase-Book. His most famous work was compiled while he worked in his college bookstore in Cambridge, Massachusetts and was first published in 1855. For 10 points, identify this 19th century collector of famous quotations.

Answer: John Bartlett

3. The name of this chemical compound is derived from the specific name of the indigo plant which in turn is derived from the Sanskrit word for "blue". First prepared in 1825 as one of the products obtained by heating indigo to a high temperature. For 10 points, identify this mono-substituted benzene derivative with an NH₂ group.

Answer: aniline

4. Their names translated as "horror", "dread" and "alarm" and they were the daughters of Phorcys and Ceto and the sisters of the Gorgons. For 10 points, identify these three old women from Greek mythology who shared only one eye and one tooth.

Answer: Graiae

5. He led the British delegation to the 1945 San Francisco conference and from 1945 to 1951 was deputy leader of the opposition, returning once more to the post of foreign minister under Churchill from 1951 to 1955. For 10 points, identify this man who succeeded Churchill as British Prime Minister in April, 1955.

Answer: Anthony Eden, 1st Earl of Avon

6. The ban on this work was lifted in the US in 1959 and in England in 1960. Written in 1928, it concerns Sir Clifford, an emotional cripple who was rendered impotent by a war wound and his wife, Constance who runs away with the gameskeeper Mellors. For 10 points, what is this controversial novel by DH Lawrence.

Answer: Lady Chatterley's Lover

7. It controls the shoreline along the western portion of the Bay of Fonseca opposite that of Nicaragua. For 10 points, identify this central American nation that borders only Guatemala to the west and Honduras to the north and east.

Answer: El Salvador

8. It was synthesized from "off-the-shelf" components by Arthur Kornberg, the co-winner of the 1959 Nobel Prize in physiology and medicine, but it was not biologically active. In 1967, Kornberg did succeed in making it function in living tissue after artificial creation. For 10 points, what is this molecule whose structure was elucidated by a 1951 x-ray diffraction picture analyzed by Watson, Wilkins, and Crick.

Answer: DNA or deoxyribonucleic acid

9. Twice forced to withdraw by Roman forces under Flavius Stilicho, he returned after Stilicho's execution in 408. His first two sieges were ended by negotiation, but in 410, he stormed and devastated Rome. For 10 points, identify this leader of the Visigoths.

Answer: Alaric

10. It is reported that during the pontificate of Pius V, by offering to repaint Michelangelo's Last Judgement in the Sistine Chapel, he made himself unpopular in Rome and was obliged to move to Spain. For 10 points, identify this man whose Agony in the Garden and The Burial of Count Orgaz marked his move from a naturalistic style to the elongation of mannerism.

Answer: El Greco

11. At a time when the Israelites were threatened by foreign cults, he upheld monotheism during the reign of King Ahab. For 10 points, identify this man who in a contest of faith with the priests of Baal on Mt Carmel emerged victorious and the priests were slain.

Answer: Elijah

12. It was here that the elusive W and Z particles were discovered in 1983 using a proton-anti-proton accelerator. Established in 1954, it is funded by 12 countries including Italy, Greece, France, Germany, and the United Kingdom. For 10 points, identify this research center located in Geneva, Switzerland.

Answer: CERN or European Organization for Nuclear Research or Conseil europeen pour la rescherch nucleaire

13. The term was first used in Massachusetts in 1812 when the Democratic-Republican governor signed a bill that redistricted a county in such a way that the Federalists caricatured it as a salamander. For 10 points, identify this common term for district manipulation for electoral gain.

Answer: gerrymandering

14. He had five children by the half-literate servant girl Therese Le Vasseur, all of whom he put in an orphan asylum. While in Paris he wrote the ballet The Gallant Muses and the light opera The Village Soothsayer, but was famous more for his writings beginning with 1750's Discourse on the Sciences and Arts. For 10 points, identify this author of Discourse on the Origin and Basis of Inequality Among Men and Emile.

Answer: Jean Jacques Rousseau

15. An okapi in the Copenhagen Zoo fell into convulsions and died recently when singers began rehearsing this opera some 300 yards away. Subtitled "and the singing Contest of the Wartburg", it is set in Eisenach in the 13th century. For 10 points, identify this Wagner opera in which the title character escapes from Venusburg with the help of the Virgin.

Answer: Tannhauser

16. They have been used to compress still and video images on computers using a transform developed by English born mathematician Michael Barnsley. In 1970, they were defined much more abstractly than in strictly Euclidean geometry by a Polish born mathematician who stated that their dimension must be used as an exponent when measuring its size. For 10 points, what are these geometric shapes set on their modern mathematical footing by Benoit Mandelbrot?

Answer: fractals

17. Its independence was secured in the 1824 battle of Ayacucho in which revolutionary forces inflicted 2000 casualties on the Spanish. For 10 points, identify this nation that lost valuable mineral rich lands to Chile in the 1879-1884 War of the Pacific.

Answer: Peru

18. A graduate of Philips Exeter Academy, he wrote three novels that attracted good reviews but little attention: Setting Free the Bears, The Water-Method Man, and The 158-Pound Marriage. For 10 points, identify the American author who following these three works came to notoriety with his 1978 novel, The World According To Garp.

Answer: John Irving

19. They mastered the art of making tools of bone and ivory and decorated their bodies with clothes and jewelry of shell and bone. Distinguished by their well-defined chins and high foreheads the first remains of these people of the Aurignacian period were discovered in 1868. For 10 points, identify this group of homo sapiens that derived its name from the cave in Dordogne, France in which their remains were discovered.

Answer: Cro-Magnon

20. It was uncovered by Treasury Secretary Benjamin H. Bristow and initially the president said "Let no guilty man escape". That changed when he found out it reached even his private secretary Orville Babcock whom he interceded to protect. For 10 points, identify this scandal of the Grant administration uncovered in 1875.

Answer: Whiskey Ring

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1. Given a solo space mission name, identify the man who flew in it for ten points each.

1. Freedom 7

Answer: Alan Shepard

2. Friendship 7

Answer: John Glenn

3. Vostok 1

Answer: Yuri Gargarin

2. Identify the only European nation bordered by the following pairs of countries. 5 pts. each.

1. Andorra, Belgium

Answer: France

2. Slovakia, Romania

Answer: Hungary

3. Albania, Greece

Answer: Macedonia

4. Moldova, Yugoslavia

Answer: Romania

5. Belarus, Romania

Answer: Ukraine

6. Hungary, Poland

Answer: Slovakia

3. Identify the following "Tales" from American literature for 10 points each.

1. It is the title given to Poe's first short story collection.

Answer: Tales of the Grotesque and Arabesque

2. It is the 1947 collection of short stories for which James Michener was awarded the 1948 Pulitzer Prize in fiction.

Answer: Tales of the South Pacific

3. The Great Carbuncle, The Grey Champion, and Howe's Masquerade are among the pieces in this 1837 collection by Nathaniel Hawthorne.

Answer: Twice-Told Tales

4. Answer the following questions about the digestive system. 10 pts. each.

1. First, what name is given to the opening that connects the esophagus to the stomach?

Answer: cardiac orifice

2. What is the name of the sphincter muscle that controls the opening of the stomach to the small intestine?

Answer: pyloric sphincter

3. This principal digestive enzyme produced in the stomach converts proteins into peptones, and acts only in an acidic medium.

Answer: pepsin

5. Given a leader of a religion, identify that religion for ten points each.

1. Vardhamana or Mahavira

Answer: Jainism

2. Guru Nanak

Answer: Sikhism

3. Mencius

Answer: Confucianism

6. Name the painters of these 18th century art works. 5 pts. each.

1. Brutus and His Dead Sons

Answer: Jacques Louis David

2. Paul Revere

Answer: John Singleton Copley

3. The Swing

Answer: Jean Honore Fragonard

4. The Shrimp Girl

Answer: William Hogarth

5. The Death of Wolfe

Answer: Benjamin West

6. The Fighting Temeraire

Answer: J. M. W. Turner

7. Identify the following figure in Roman history from clues on a 30-20-10 basis.

1. His first case was against Gaius Verres, a corrupt governor of Sicily, who he successfully prosecuted.
2. When he was assassinated, his tongue was cut out and nailed along with his head and his hands to the Rostrum.
3. His name came from the Latin for chickpea, and he was considered the greatest orator in Roman history best known for his Phillipics.

Answer: Marcus Tullius Cicero

8. Identify the Shakespeare play from which the following lines are taken. 5 pts. each.

1. "So fair and foul a day I have not seen"

Answer: Macbeth

2. "Lord, what fools these mortals be!"

Answer: Midsummer Night's Dream

3. "All the world's a stage/And all the men and women merely players"

Answer: As You Like It

4. "O brave new world, That has such people in't"

Answer: The Tempest

5. "My salad days,/When I was green in judgement, cold in blood"

Answer: Antony and Cleopatra

6. "If music be the food of love, play on"

Answer: Twelfth Night

9. For 10 points each, what physics terms or quantities are defined by the following:

1. the product of tangential force and distance from the pivot point

Answer: torque

2. $m v^2 / r$, that is the mass of an object times the square of its linear velocity divided by the radius of its path of circular motion

Answer: centripetal force

3. the sum of the product of the mass of each element of the body and the square of the distance from the axis.

Answer: moment of inertia

10. Given an English translation, give the Latin phrases for 5 points each.

1. to the point of being disgusting

Answer: ad nauseam

2. without end

Answer: ad infinitum

3. it is sweet and seemly

Answer: dulce et decorum est

4. we who are about to die salute you

Answer: morituri te salutamus

5. let the buyer beware

Answer: caveat emptor

6. I think, therefore I am

Answer: cogito ergo sum

11. For 10 points each, identify the schools of psychology associated with the following psychologists.

1. John B. Watson, B.F. Skinner

Answer: Behaviorism

2. Max Wertheimer, Wolfgang Kohler

Answer: Gestalt

3. William James, J. R. Angell

Answer: Functionalism

12. Identify the following types of chemical bonds for 10 points each.

1. It is the type of covalent bond that attaches the hydrogens in methane to the central carbon.

Answer: sigma [do not accept single bond]

2. It is the bond between the carbonyl group of one amino acid and the nitrogen of the next amino acid in a chain.

Answer: peptide bond

3. This is the type of bond connecting a single atom or group of atoms to a central atom in a coordination compound.

Answer: ligand

13. There are a great many trilogies written these days, but that is not a new trend. I will name a trilogy by an American author,;for 5 points each, name the books in the trilogy.

1. Frank Norris, Epic of the Wheat

Answer: The Pit, The Octopus, The Wolf (unfinished)

2. John Dos Passos, USA

Answer: 1919, 42nd Parallel, The Big Money

14. Identify the following events crucial in early western European history. 10 pts. each.

1. In 451 at this battle, Theodoric was killed and may have stopped the advance of Attila if Aetius had not wished to spare the Huns for some long-range scheme.

Answer: Battle of Chalons

2. In 732 this battle halted the further Moorish expansion into Europe

Answer: Tours

3. In 843 this treaty divided the Kingdom of Charlemagne among his three grandsons

Answer: Treaty of Verdun

15. Identify the following terms associated with glacial erosion for 10 points each.

1. They are long narrow, deep, and relatively straight arms of the ocean that may project many kilometers inland. The sea water invaded these areas following deglaciation.

Answer: fiord(s) or firths

2. These are deposits of rock debris picked up and transported by the moving ice of mountain glaciers and continental ice sheets. They are laid down during both the advance and retreat of the ice.

Answer: moraines

3. These are small hills with smooth surfaces often made of drift that result when glaciers flow over or around them.

Answer: drummlins

16. For 10 points each, identify these Russian composers from their works.

1. Scheherazade and The Golden Cockerel

Answer: Nikolai Rimsky-Korsakov

2. Love for Three Oranges and War and Peace

Answer: Sergei Prokofiev

3. Lady Macbeth of Minsk and Songs of the Forest

Answer: Dmitry Shostokovich

17. Identify the ancient authors of the following works.

1. The Georgics

Answer: Virgil

2. Lives of the Caesars

Answer: Suetonius

3. History of the Peloponnesian War

Answer: Thucydides

4. History of the Persian Wars

Answer: Herodotus

5. the tragedy, Medea, and the Epistulae

Answer: Horace

6. The Art of Love

Answer: Ovid

18. Identify the following concerning Napoleon III for ten points each.

1. For five points each, identify his parents, one of whom was the younger brother of Napoleon and the other was daughter of Josephine.

Answer: Louis Napoleon and Hortense de Beauharnais

2. For ten points, identify the September, 1870 battle at which Napoleon III was defeated ending his reign.

Answer: Sedan

3. For ten points, identify the French author who made him the victim of many fiery diatribes and who also wrote Hans of Iceland and Toilers of the Sea.

Answer: Victor Hugo

19. Identify the following German writers from works on a 10-5 basis.

1. 10: The Private Life of the Master Race 5: The Good Woman of Sezuán

Answer: Bertolt Brecht

2. 10: Tonio Krueger

5: Buddenbrooks

Answer: Thomas Mann

3. 10: The Safety Net

5: Billiards at Half-Past Nine

Answer: Heinrich Böll

20. Identify the philosopher from works on a 30-20-10 basis.

1. Philosophical Rudiments and De Homine

2. Human Nature and De Corpore Politico

3. Behemoth and Leviathan

Answer: Thomas Hobbes