

1994 Heinrich Bowl
Question Packet 12

1. In geology and chemistry, the term is applied to the process by which soluble parts of rocks, ores or other matter are extracted by running water or other liquid through them slowly. For 10 points, identify this term that spelled slightly differently is applied to class Hirudinea, the bloodsucking worms of phylum annelida.

Answer: leach or leech

2. It was called Oyster Island by early Dutch colonists and was later known as Gibbet island after a pirate was hanged there in 1765. In the 18th century, it was bought by a merchant of New York City who left it to the state. For 10 points, identify this island bought by the Federal government in 1808 that from 1892 to 1954 was the headquarters of an immigration and naturalization district of the U.S.

Answer: Ellis island

3. His prose writings include Defensio pro Publico Anglicano, Of Education, and Eikonklastes. Though he is best remembered for his epic works, his individual poems such as "On the Late Massacre in Piedmont", "On the Morning of Christ's Nativity" and "When I Consider How My Light Is Spent" are also of importance. For 10 points, identify this English poet who in 1667 published his masterpiece, Paradise Lost.

Answer: John Milton

4. His works in his native land led to his being invited to paint frescoes at the San Francisco Stock Exchange, the Detroit Institute of Art and Rockefeller Center, though the last was destroyed the sponsors objected to the inclusion of a portrait of Lenin. For 10 points, identify this pupil of Jose Posada, the most prominent painter of the modern Mexican mural movement.

Answer: Diego Rivera

5. It was largely through the influence of his wife Harriet that he wrote "The Enfranchisement of Women" and from which grew his radical and influential book The Subjection of Women. For 10 points, identify this follower of Bentham and founder of the Utilitarian Society best known for his essay, "On Liberty".

Answer: John Stuart Mill

6. Their types include filamentary, unipolar, field-effect, point contact, and epitaxial. They normally have three external connections, labelled base, collector, and emitter. For 10 points, what are these amplifiers of electric power that were announced in 1948 by Bell Labs scientists, Bardeen, Shockley and Brittain.

Answer: transistors

7. Joined by Henri de Tonti, he sailed on the Griffon, a small ship designed for fur trading expeditions on the Great Lakes to the site of Green Bay, Wisconsin. For 10 points, identify this man who with Tonti in 1681 set off down the Mississippi River reaching the Gulf of Mexico in April 1682.

Answer: Sieur de La Salle

8. Trained by Jesuits, he became a tutor and bookseller's hack before beginning as a writer. Always controversial, his Philosophical Thoughts of 1746 was burned by the Parliament of Paris for its anti-Christian ideas and he was imprisoned for his Essay on Blindness. For 10 points, identify this French writer best known as the chief editor of the Encyclopedie.

Answer: Denis Diderot

9. Its highest point is Monte Capanne and its chief industrial center is Portoferraio. Located in the Tyrrhenian sea between Corsica and the Italian mainland, it is the largest island of the Tuscan archipelago and part of the province of Livorno. For 10 points, identify this island that from 1814 to 1815 was the principality ruled by Napoleon Bonaparte.

Answer: Elba

10. Drowned while crossing the English channel in 1913, he spent most of his life at his factory at Augsburg. A graduate of Munich Polytechnic, with money from Krupps, he constructed a "rational heat motor" which he demonstrated in 1897. For 10 points, identify this inventor of the first compression-combustion engine.

Answer: Rudolph Carl Diesel

11. The son of a businessman who died when he was only four he graduated at Lima University and embarked on a career in the Peruvian diplomatic service, representing his country at the first United Nations

assembly in 1946. For 10 points, identify this man who in 1982 succeeded Kurt Waldheim as secretary-general of the United Nations.

Answer: Javier Perez de Cuellar

12. The principal characters, Maggie and Tom, grow up together at Dorlcote Mill, united by a strong bond in spite of their opposite temperaments. For 10 points, what is this 1860 novel by George Eliot centered on these siblings in the Tulliver family.

Answer: The Mill on the Floss

13. He died in prison around 489 BC for having tricked the Athenians into giving him a large force of ships in order to settle a private grudge. For 10 points, identify this tyrant of the Thracian Chersonese who as a general of Athenian forces defeated the Persians at Marathon.

Answer: Miltiades

14. When he was awarded the Presidential Medal of Freedom, President Carter declared "This is the finest public servant I have ever known." However, rumor has it that now that Carter is making headlines on his turf relations between the two are not so cordial. For 10 points, identify this man who has been overshadowed by Carter in his role as Secretary of State.

Answer: Warren Christopher

15. After the rise of Hitler he went to England and studied at Cambridge, and eventually joined the staff at Oxford University. While there, he he studied amino acids, in particular the method by which they could be broken down for energy. For 10 points, identify this man who with Fritz Lippman the 1953 Nobel prize in medicine and physiology for his work on the citric acid cycle.

Answer: Sir Hans Adolf Krebs

16. Held on the 14th and 15th days of the month of Adar, it is celebrated by almsgiving, sending food to friends, and chanting the text of Esther. For 10 points, what is this Jewish festival that commemorates the deliverance of the Persian Jews from destruction during the reign of Xerxes I as recorded in the book of Esther.

Answer: Purim

17. Most of his major works were published in the 1890's, including The Division of Labor in Societies and The Rules of Sociological Method. Concerned with the basis of social stability, he believed a breakdown of the common bonds of the community lead to individual feelings of anxiety and stress that sometimes resulted in suicide. For 10 points, identify the French sociologist who discussed this correlation in his classic work, Suicide.

Answer: Emile Durkheim

18. In 1897, he became artistic director of the Imperial Opera in Vienna and through his efforts Vienna attained world prestige as an operatic center. In 1907 he went to New York City where he conducted the Metropolitan Opera and the New York Philharmonic until his death in 1911. For 10 points, identify this conductor and composer of Songs of the Earth and the Resurrection Symphony.

Answer: Gustav Mahler

19. Excavations along it were carried to depths of more than 3200 feet until the inflow of hot water brought operations to a halt. In 1874, excavations began declining and it was virtually abandoned by 1898. For 10 points, identify this metal rich vein of gold and silver named for the California prospector who found it on the slopes of Mt Davidson, Nevada.

Answer: Comstock lode

20. His novels and short stories deal largely with men rebelling against contemporary industrial society. His best novels, written in the 1920s are Poor White and Dark Laughter. For 10 points, identify this American writer known for short stories of frustration in Midwestern towns such as Horses & Men, The Triumph of the Egg, and Winesburg, Ohio.

Answer: Sherwood Anderson

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1. Identify the following Italian composers on a 10-5 basis from works.

1. 10: The Medium 5: The Consul
Answer: Giancarlo Menotti
2. 10: Coronation of Poppea 5: Orfeo (1607)
3. 10: 3 Botticelli Pictures 5: Pines of Rome
Answer: Ottorino Respighi

2. Identify these explorers of early America for 10 pts. each.

1. This "Father of New France" explored the St. Lawrence River Valley and founded the post that is known as Quebec today.

Answer: Samuel de Champlain

2. He explored Newfoundland and Labrador in the service of Henry VII in 1497.

Answer: John Cabot

3. This Spanish soldier and explorer spurred exploration of the American Southwest after tales of spread of his trek through the region.

Answer: Alvar Nunez Cabeza de Vaca

3. Answer the following questions about the asteroids of the solar system for 10 points each.

1. What Italian astronomer discovered and named the first asteroid on New Year's Eve, 1801?

Answer: Guiseeppe Piazzi

2. Piazzi named his asteroid for a Roman goddess of the harvest. For 10 points, what did he call his asteroid?

Answer: Ceres

3. Ceres turned out to be one of the three largest asteroids. For ten points, identify either of the other two of the three largest asteroids?

Answer: Pallas or Vesta

4. Given a lake on the continent of Africa, identify two countries that border it, all or nothing, for ten points each.

1. Lake Nyasa Answer: Malawi, Mozambique, and Tanzania
2. Lake Turkana Answer: Sudan, Ethiopia, and Kenya
3. Lake Kariba Answer: Zambia and Zimbabwe

5. Identify the following writers associated with the Bloomsbury circle from a brief description for ten points each.

1. This author was best known for developing the stream of consciousness technique in such novels as Mrs. Dalloway and The Waves.

Answer: Virginia Woolf

2. The Longest Journey and Where Angels Fear to Tread are among the lesser known works of this British author.

Answer: E. M. Forster

3. Eminent Victorians is perhaps the best known work of this member who revolutionized the art of biography.

Answer: Lytton Strachey

6. Identify the following parts of the urinary system for ten points each.

1. These tubes conduct urine from the kidney to the bladder. Answer: ureters
2. Urine is conducted outside the body from the bladder via this tube. Answer: urethra
3. This area of the bladder contains the internal opening of the urethra and is a smooth, triangular region. Answer: trigone

7. Give the title of the Robert Frost poem from which the following lines are taken. 5 pts. each.

1. "The land was ours before we were the land's" Answer: The Gift Outright
2. "Something there is that doesn't love a wall". Answer: The Mending Wall
3. "But I have promises to keep/And miles to go before I sleep..." Answer: Stopping by Woods on a Snowy Evening
4. "Two roads diverged in a wood..." Answer: The Road Not Taken
5. "Home is the place where, when you have to go there,/They have to take you in" Answer: The Death of the Hired Man

6. "They cannot scare me with their empty spaces."

Answer: Desert Places

8. Identify the British artist of the 18th Century described by the following, 10 points each.

1. Born in 1776, he painted many views of Salisbury Cathedral.

Answer: John Constable

2. This artist born in 1775 painted "The Burning of the Houses of Parliament."

Answer: J.M.W. Turner

3. Born in 1723, this man was the first president of the Royal Academy.

Answer: Sir Joshua Reynolds

9. Given a brief description of the ruling and the year, identify the following Supreme Court decisions. 5 pts. each.

1. 1819: Chief Justice Marshall's opinion upheld the constitutionality of the National Bank.

Answer: McCullough vs. Maryland

2. 1944: This decision upheld FDR's executive order which approved West Coast evacuation and internment of Japanese-Americans during World War II.

Answer: Korematsu vs. U.S.

3. 1963: Reversed ruling in Betts vs. Brady, the court held that the 6th amendment guaranteed access to qualified counsel.

Answer: Gideon vs. Wainwright

4. 1824: This decision upheld the right of Congress to regulate interstate commerce.

Answer: Gibbons vs. Ogden

5. 1951: This decision ruled in favor of the Smith Act.

Answer: Dennis vs. U. S.

6. 1895: This decision voided a law establishing a federal income tax leading to the passage of the 16th Amendment.

Answer: Pollock v. Farmers Loan and Trust Company

10. For 10 points each, identify the following plays by George Bernard Shaw from a brief description.

1. It is centered around a young woman in the Salvation army.

Answer: Major Barbara

2. Ellie Dunn enters the lives of a group gathered at the home of an eccentric sea captain while she searches for a husband.

Answer: Heartbreak House

3. This play centers around a love triangle between the title character's husband, a Christian Socialist, and Eugene Marchbanks.

Answer: Candida

11. Given an English king, identify any person who was king of France at any time during his reign for ten points each.

1. Henry VI

Answer: Charles VI, Charles VII, or Louis XI

2. James I

Answer: Henry IV or Louis XIII

3. James II

Answer: Louis XIV

12. Identify the following rivers in Hades from a brief description for ten points each.

1. Sinners who have shed blood are cast forever into this river of boiling blood.

Answer: Phlegethon

2. Often believed to lead to the Underworld, this river forms the boundary of hell, and on its shore all of those who have died in the wrath of the Gods.

Answer: Acheron

3. Many were required to drink from this river of forgetfulness before they entered the Underworld.

Answer: Lethe

13. Identify the Italian directors of the following pieces of cinema.

1. The Children Are Watching Us and The Garden of the Fitz-Coinis.

Answer: Vittorio De Sica

2. Amarcord and Nights of Cabiria

Answer: Federico Fellini

3. The Taming of the Shrew and Romeo and Juliet
Answer: Franco Zefferelli

14. Two of the most important minerals that contain metallic elements are cinnabar and galena. Both of these are sulfides of the metal mined from them. For 10 points, give the metallic element extracted from:

1. galena Answer: lead
2. cinnabar Answer: mercury
3. sphalerite Answer: zinc

15. Identify the following historical figure on a 30-20-10 basis.

1. His armies defeated the Romans at Soissons in 486 and the Visigoths at Vouille in 507.
2. He converted to Christianity on Christmas Day in 496.
3. He was leader of the Salian Franks and leader of the Merovingian dynasty.
Answer: Clovis I or the Great

16. For 10 points each, identify these physics things or people that began with the letters "ed".

1. these currents are closed loops of induced current that occur in a piece of metal when there is relative motion between the metal and a magnetic field. The flow in such a direction such that the resulting magnetic forces oppose the relative motion.
Answer: eddy currents
2. it is the name given to the emission of electrons from a heated metal in a vacuum and is named for an American scientist and inventor.
Answer: Edison effect
3. this English astronomer and astrophysicist pioneered the theoretical study of the interior of stars.
Answer: Sir Arthur Stanley Eddington

17. Answer the following questions about the history of modern China. 10 pts. each.

1. What name is given to the Chinese Nationalist Party organized in 1912?
Answer: Kuomintang (prompt for more information on KMT)
2. What leader of the Kuomintang from 1916 to 1925 was succeeded by Chiang Kai-Shek?
Answer: Sun Yat-Sen
3. For fifteen points, what man originally organized the Kuomintang?
Answer: Sung Chiao-jen

18. Identify the following psychologists from their works for ten points each.

1. Study of Organ Inferiority and its Psychical Compensation
Answer: Alfred Adler
2. Psychology from the Standpoint of A Behaviorist
Answer: John Watson
3. The Undiscovered Self
Answer: Carl Gustav Jung

19. Give the contemporary American authors of the following novels for 5 points each.

1. Brazil Answer: John Updike
2. Waterworks Answer: E.L. Doctorow
3. A Son of the Circus Answer: John Irving
4. The Counter-life Answer: Philip Roth
5. All the Pretty Horses Answer: Cormac McCarthy
6. The Map of the World Answer: Jane Hamilton

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

1. Kant and the Problem of Metaphysics, Plato's Doctrine of Truth, and What is a Thing?
2. What is Metaphysics?, What is Philosophy?, and What is Thought?
3. Introduction to Metaphysics and Being and Time
Answer: Martin Heidigger