

11/1/99

HEINRICH BOLL IV at GEORGIA TECH - 1999  
TOSSUPS - Georgia Tech A

1. Cesium has a value of 1.9 electron volts and Platinum, a value of 6.4 electron volts. As this property increases, the critical frequency for electronic emission also increases. FTP, name the metallic property whose value must be lower than an incident photon's kinetic energy for photoelectric emission of electrons to occur.

Answer: Work Function

2. He was declared persona non grata and thrown out of St. Petersburg by the Russian government in 1792. Later, he married both Martha Osgood and Cornelia Clinton after becoming a naturalized American while living in New York. FTP, name this man who President Washington refused to extradite to France after he tried to involve America in the French Revolution while serving as the French Minister to the United States.

Answer: Edmond (Citizen) Genet

3. Published in twelve installments in the New Haven Gazette, it is an attack on paper money, French philosophy, Shays's Rebellion, and the attitudes of Europeans towards Americans. Authored by David Humphries, Lemuel Hopkins, Joel Barlow, John Trumbull, and others, FTP, name this satirical poem of the Hartford Wits.

Answer: the Anarchiad

4. A 5th century BC Jewish leader, he held a position of honor in the court of the Persian king Artaxerxes I and in 444 BC was appointed by the king to the governorship of Judea, with authorization to rebuild Jerusalem. The rebuilding of Jerusalem and the reforms made during his administration are recounted in the book that bears his name. FTP, name this man whose book was originally combined with the books of Chronicles and Ezra, both of which precede it, as an account of Jewish history.

Answer: Nehemiah

5. Their civilization existed from the 8th to the 1st century BC but began to decline with the advent of the 5th century BC. Their early governments were monarchies of the Tuscany region of present-day Italy and later became more republican. FTP, identify this extremely powerful people with strong navies and a profitable trade with the Greeks and Phoenicians, the precursor of the Roman Empire on the Apennine Peninsula.

Answer: Etruscans

6. This term in astronomy is defined as the difference in observed direction of an object due to a difference in position of an observer on the earth. FTP, what is this term, which should the length and direction of the line between the two points of observation be known, it is possible to use it to calculate the distance to the distant stars?

Answer: parallax

7. He was appointed Librarian of Congress in 1939 and held the post of assistant secretary of state during the end of World War II. After early poetic volumes such as Songs for a Summer Day and Tower of Ivory, he moved to Paris and fell under the influence of Ezra Pound and T.S. Eliot. FTP, name this author of The Fall of the City, Air Raid, Riders of the Earth, and J.B.

Answer: Archibald MacLeish

8. At the age of 16 this man became a pianist and song promoter for a music publishing firm, but the success of his song "Swanee" established him as a Tin Pan Alley composer. At the invitation of the bandleader Paul Whiteman, he wrote his masterpiece for piano and jazz band, later orchestrated by the American composer Ferde Grofé. FTP, name this composer of "An American In Paris," and the aforementioned "Rhapsody In Blue."

Answer: George Gershwin

9. He believed that scientific methods should be applied to the study of society, and he proposed that groups had characteristics that were more than, or different from, the sum of the individuals' characteristics or behaviors. He also believed that a breakdown of the collective conscience leads to a loss of social stability and to individual feelings of anxiety. FTP, The Rules of Sociological Method and The Division of Labor in Society were works written by which French sociologist who also penned Suicide?

Answer: Emile Durkheim

10. Hark Travis, Nelson Williams, Henry Porter, and Samuel Francis were his chief disciples and his autobiography was published by Thomas Gray. Born in Southampton County, he believed his was a mission from God to lead his people to freedom. FTP, name this man who was hanged in Jerusalem, Virginia, in 1831 for his leadership of a slave revolt that killed 50 whites.

Answer: Nat Turner

11. The narrator, a shy woman, adores her wealthy husband Maxim with whom she lives at Manderley, his estate at Cornwall. However, the narrator feels inferior to the title character, who was the first wife of Maxim, and this inferiority is compounded by Mrs. Danvers, the housekeeper, who continually reminds the narrator of how much Maxim de Winter had loved his first wife. FTP, name this gothic suspense novel by Daphne Du Maurier.

Answer: Rebecca

12. First located on a spot known as Isca Silurum to the Romans, it was located about three miles north-east of present day Newport in South Wales. It has also been tentatively located at Caerleon, the hill-fort known as Cadbury castle in Somerset, and Camelford in Cornwall, but its location during the time of its most famous ruler, the youngest Pendragon, remains a legend. FTP, name this place of Arthurian legend.

Answer: Camelot

13. This group of chemical elements are nonmetallic in nature and have an affinity for forming compounds with the alkali metals and alkali earth metals. The group's lightest element, oxygen, is the most abundant element in the earth's crust. FTP, identify this group, consisting of oxygen, sulfur, selenium, tellurium, and polonium.

Answer: the chalcogens (also accept Group VI elements before giveaway)

14. It's principal ports are Sarnia, Owen Sound, and Midland in Canada and Alpena and Bay City in the US and it belongs to the Great Lakes-St. Lawrence Seaway navigation passage. Georgian Bay is its largest inlet. FTP, what is this second largest of the Great Lakes, lying between eastern Michigan and southeastern Ontario?

Answer: Lake Huron

15. Begun by Juan Bautista de Toledo and completed by Juan de Herrera it is an austere, square, granite building, measuring 530 feet by 670 feet. FTP, name this royal palace, mausoleum, and monastery near Madrid which was built for Philip II between 1563 and 1584.

Answer: El Escorial

16. Born in Montauban, France, as the son of an unsuccessful sculptor and painter, he entered the studio of neoclassical painter Jacques-Louis David in Paris in 1797 and won the Prix de Rome in 1801 for his painting "The Envoys from Agamemnon." Later he became the recognized leader of the neoclassical school that opposed the new romantic movement led by Eugene Delacroix and Theodore Gericault. FTP, name this French painter, creator of "Grande Odalisque."

Answer: Jean Auguste Dominique Ingres

17. Born Neftali Ricardo Reyes Basoalto in 1904, he assumed his more well-known name in 1920. He served as an honorary consul, representing his country to a series of Asian countries, and later was elected a senator, but left his country for a period in which the government had turned to the right. FTP, Residence on Earth, Twenty Love Songs and a Song of Despair, and Canto General are among the works of what Chilean poet?

Answer: Pablo Neruda

18. Regular vaccination and adequate wound cleansing are essential in preventing this disease, which grows in contaminated wounds and causes muscle spasms due to nerve toxicity. Left untreated, it is fatal most of the time and its bacteria are commonly found in soil. FTP, what is this disease, whose common name arises from the preliminary symptom of painful contraction of the jaw?

Answer: tetanus (also accept lockjaw)

19. The words "Up these steps the lobbyists of trusts and corporations have passed unchallenged on their way to committee rooms, access to which we... have been denied" are taken from an address this man prepared while trying to lift America out of economic sin. Born in Selingsgrove, Pennsylvania, he was a successful horse breeder and quarry owner who served as mayor of Massillon, Ohio, from 1931 to 1934. FTP, name this man who led his "petition in boots" to Washington in 1894.

Answer: Jacob Coxey

20. German mathematician Rudolph Clausius first named and defined it as the heat transferred between two states of equilibrium divided by the absolute temperature of the system in that interval. It always increases in the universe in all natural processes. FTP, what is this property of the 2nd law of thermodynamics which is a measure of disorder?

Answer: entropy

21. It was one of only three former Soviet republics that held an independent seat in the United Nations while there was still a Soviet Union and its capital city doubles as the capital of the Commonwealth of Independent States. Grain, flax, potatoes, and sugar beets are its main cash crops. FTP, identify this nation, which changed its name after gaining independence, the former name meaning "white Russia".

Answer: Belarus (do NOT accept Byelorussia)

BONI – Georgia Tech A and Chris Moody

1. So, how well do you remember your books of the Bible? Given a book, for 5 points each, name the book which immediately precedes it in the order outlined in the King James Version.

- |                |                   |
|----------------|-------------------|
| 1. Amos        | Answer: Joel      |
| 2. Malachi     | Answer: Zechariah |
| 3. Revelations | Answer: Jude      |
| 4. Hebrews     | Answer: Philemon  |
| 5. Joel        | Answer: Hosea     |
| 6. Zephaniah   | Answer: Habakkuk  |

2. Identify the author from clues 30-20-10.

30 pts. - He enlisted in the 6th Illinois infantry when the Spanish American War broke out, and he later served as secretary to the mayor of Milwaukee.

20 pts. - His autobiography is titled Always the Young Strangers and he also authored the long novel Remembrance Rock.

10 pts. - His more famous works include Rootabaga Stories, The American Songbag, and Good Morning, America.

Answer: Carl Sandburg

3. Identify these pioneers of steam engines FTPE:

a) His 1689 device was used to suck water out of mines by pouring cold water on a vessel filled with steam, creating a partial vacuum.

Answer: Thomas Savery

b) His 1712 device improved on Savery's by having a piston attached to a lever.

Answer: Thomas Newcomen

c) To preserve heat he separated the cylinder and the condenser and developed the double action principle.

Answer: James Watt

4. Identify the following Supreme Court Cases from a description on a 5-10-15 point basis:

5 pts. - In a dispute arising from a New York ferry monopoly, the Court ruled in this 1824 case that states could not restrain interstate commerce in any way, and confirmed the broad potential power of the Constitution's commerce clause.

Answer: Gibbons v. Ogden

10 pts. - This 1919 case declared that that World War I limits on freedom of speech did not violate the First Amendment, if the speech in question represented a "clear and present danger."

Answer: Schenk v. US

15 pts. - This 1821 ruling reiterated the Supreme Court's power to hear appeals from state courts, and affirmed the national supremacy of federal judicial power. The case arose out of the selling of lottery tickets in violation of state law.

Answer: Cohens v. Virginia

5. Provide the Latin phrases meaning the following for five points apiece:

- |                             |                           |
|-----------------------------|---------------------------|
| 1. slip of the tongue       | Answer: lapsus linguae    |
| 2. let the buyer beware     | Answer: caveat emptor     |
| 3. tit for tat              | Answer: quid pro quo      |
| 4. current state of affairs | Answer: status quo        |
| 5. caught in the act        | Answer: flagrante delicto |
| 6. the die is cast          | Answer: alea jacta est    |

6. Identify the famous French patriot 30-20-10:

a) (30) He wrote Philosophical Essay on Man as well as founding the newspaper L'Ami du Peuple

(20) He hid in the sewers of Paris as a fugitive after studying medicine in England, which led to a skin disease that made him have to take several baths daily.

(10) He was killed by Charlotte Corday during the French Revolution.

Answer: Jean Paul Marat

7. Answer these questions from Norse mythology FTPE.

a) For 10 points name the cow who fed Ymir.

Answer: Audumla

b) Bor and Bestla had three sons who became the first gods. For 5 points apiece, name them.

Answer: Odin, Ve, Vili

c) For 5 points from what type of tree did Odin create the first man?

Answer: Ash

8. Given an important contribution to modern physics, identify the scientist for ten points each:

a) This man used the Hans Geiger and Ernest Marsden 1911 experiment to show the validity of the nuclear model of the atom.

Answer: Ernest Rutherford

b) He developed relativistic quantum mechanics and predicted the existence of antimatter.

Answer: Paul Dirac

c) In 1907, this man applied energy quantization to explain the temperature dependence of heat capacity of solids.

Answer: Albert Einstein

9. Identify the author from clues 30-20-10:

30 pts. - He left his estate of Yasnaya Polyana in November 1910 to visit a monastery, but he was taken ill on the train trip and died at the railway junction of Astapovo.

20 pts. - Although both of his parents died while he was young, he recounts a happy childhood in the trilogy Childhood, Boyhood, and Youth.

10 pts. - His most famous works include the Sevastopol Sketches and The Death of Ivan Ilyich.

Answer: Leo Tolstoy

Given his term of office, give the vice-president, for five points each:

1. 1861-1865

Answer: Hannibal Hamlin

2. 1953-1961

Answer: Richard Nixon

3. 1825-1833

Answer: John Calhoun

4. 1965-1969

Answer: Hubert Humphrey

5. 1853-1857

Answer: Rufus King

6. 1805-1813

Answer: George Clinton

Given a work of art, name the painter for ten points each:

a) "The Alphabet of Death"

Answer: Hans Holbein the Younger

b) "The Dream of Constantine", an episode in the series "The Legend of the True Cross"

Answer: Piero Della Francesca

c) "Three Philosophers"

Answer: Giorgione

Identify the following three chemists for ten points each, all of which have something in common:

A founding member of the Royal Society of London, he was noted for his pneumatic experiments. He is called the father of modern chemistry for his rejection of alchemy and his adoption of atomism.

Answer: Robert Boyle

He showed that gases increase in volume by  $1/273$ rd for every 1 degree C increase and he made two balloon ascents to investigate atmospheric composition and the intensity of the earth's magnetic field at altitude.

Answer: Joseph Louis Gay-Lussac

This Frechman also discovered that gases increase in volume by 1/273rd for every 1 degree C increase over twenty years before Gay-Lussac. He was also a balloonist but he would do more to popularize it than Gay-Lussac, developing all the controls and devices used to manipulate balloons.

Answer: Jacques Alexandre Charles

Give the capitals of the following smaller political units for five points each:

1. Nuevo Leon state in Mexico                      Answer: Monterrey
2. Nunavut province in Canada                      Answer: Iqualuit
3. Rhone department in France                      Answer: Lyon
4. the Azores island group of Portugal              Answer: Ponta Delgada
5. Campania region in Italy                      Answer: Naples
6. Navarre district in Spain                      Answer: Pamplona

Identify the following related items on a 5-10-15 basis:

5 pts. - Born in Larvik in 1914, this Norwegian, with a small crew, successfully sailed 4,300 miles in 101 days in 1947.

Answer: Thor Heyerdahl

10 pts. - Made of balsa wood, this was the name of the raft on which Heyerdahl completed his historic journey, demonstrating that South Americans could have been ancestors of Polynesians.

Answer: Kon-Tiki

15 pts. - On this primitive reed vessel, Heyerdahl showed in 1977-78 that the ancient Sumerian civilization could have reached the Indus River valley and Africa by sea

Answer: Tigris

Identify the following Henry James works from short descriptions for ten points apiece:

1. A young woman travels to Europe where she is compromised by her friendship with an Italian man. Forsyth Winterbourne and the other Americans living in Italy shun her.

Answer: Daisy Miller

2. Mrs. Gereth and her son's fiancee battle over great art and furniture which eventually is destroyed by an accidental fire.

Answer: The Spoils of Poynton

3. A governess struggles to save Miles and Flora from the ghosts of Peter Quint and Miss Jessel.

Answer: The Turn of the Screw

How well do you know your famous marches? Given the name of a march, name its composer for five points each and a 5 point bonus for all correct:

1. Radetzky March                      Answer: Johann Strauss the Younger
2. Festmarch from "Tannhauser"                      Answer: Richard Wagner
3. Marche Militaire                      Answer: Franz Schubert
4. Turkish March (The Ruins of Athens)              Answer: Ludwig von Beethoven
5. Royal March of the Lions                      Answer: Camille Saint-Saens

17. Answer these questions about the US Virgin Islands

a) For 10 points what is the largest island in area?

Answer: Saint Croix

b) For 10 points Charlotte Amalie is on which island?

Answer: Saint Thomas

c) For 10 points which island includes Virgin Islands National Park?

Answer: Saint John

18. Answer these questions about Shakespeare's Twelfth Night FTPE

a) For 5 points apiece name the twins shipwrecked on the coast of Illyria.

Answer: Sebastian and Viola

b) For 10 points name the Olivia's uncle who gets his friend Sir Andrew Aguecheek to duel Cesario.

Answer: Sir Toby Belch

c) Maria tricks him into thinking Olivia loves him. As a result he wears his yellow stockings cross-gartered.

Answer: Malvolio

19. Answer these questions about a certain hormone on a 5-10-15 basis:

5 pts. – This is the only hormone which reduces the level of sugar in the blood and it is secreted in response to a rise in blood sugar.

Answer: insulin

10 pts. – These are the structures in the pancreas that actually secrete insulin.

Answer: islets of Langerhans

15 pts. – These two Canadian biologists, one of which won the 1923 Nobel Prize for physiology while the other was his student, were the first to isolate insulin as a pancreatic extract, doing so in 1921.

Answer: Sir Frederick Banting and Charles Best

20. Name these parts of the British government for ten points each:

Division of parliament in which the 651 members are elected by the people.

Answer: House of Commons

Division of parliament with 1170 members.

Answer: House of Lords

Highest Court of appeal in civil cases in Great Britain

Answer: House of Lords

21. Identify the Milton works from quotations for five points each:

1. Look homeward, Angel, now, and melt with ruth.

Answer: Lycidas

2. They also serve who only stand and wait.

Answer: On His Blindness

3. Of Man's first disobedience

Answer: Paradise Lost

4. Eyeless in Gaza, at the mill with slaves.

Answer: Samson Agonistes

5. How soon hath Time, the subtle thief of youth  
the Age of Twenty-three.

Answer: On His Having Arrived at

6. Come, and trip it, as you go, On the light fantastic toe.

Answer: L'Allegro

22. Identify each state of the Union by its motto:

1. Friendship

Answer: Texas

2. We dare defend our rights

Answer: Alabama

3. All for our country

Answer: Nevada

4. Eureka

Answer: California

5. Sic Semper Tyrannis

Answer: Virginia

6. Wisdom, justice, and moderation

Answer: Georgia

23. Identify this English writer based on works:

30 pts. - Plain Tales From the Hills, The Phantom Rickshaw

20 pts. - Borrough-Roam Ballads, Just So Stories

10 pts. - Captains Courageous, The Jungle Book

Answer: Rudyard Kipling

24. Identify each planet by a list of some of its satellites: