

Les Enfants Terribles
Academic Quiz Bowl Tournament
Packet #1 by Iowa State University
18-19 April 1997

Toss-Ups

1. He made contributions to thermodynamics, biology, medicine, and industrial chemistry, including his phase rule explained the relationship among the different phases of the different substances in a mixture. He is most famous for work with Duhem and Helmholtz dealing with difference of enthalpy and the product of temperature and entropy which characterized the direction of a chemical reaction. FTP, name this American scientist or his signature free energy.

Answer: Josiah Willard Gibbs

2. It was intended to divide the Roman Catholics and Eastern Orthodox people into their appropriate countries. Pilsudski rejected it, however, and conquered an area well to the east of it. It reappeared in 1945 as the border between newly reconstituted Poland and the Soviet Union. FTP, name this political line drawn by the British Foreign Secretary for whom it is named.

Answer: Curzon Line

3. It claims that imagination is "nothing but decaying sense;" and that knowledge comes from sense experience, while wisdom comes from reason. The book then describes the state as an artificial man, with officers as joints and punishments as nerves; its final chapter, "Of the Kingdom of Darkness" alleges that the papacy is guilty of misinterpreting Scripture to justify its power. FTP, identify this treatise justifying absolute monarchy by Thomas Hobbes.

Answer: Leviathan Or The Matter, Form, and Power of a Commonwealth, Ecclesiastical or Civil

4. This opera begins and ends in an attic, though other action occurs at the gates of Paris where characters rhapsodize on the flowers in the springtime, and in a café in the Latin Quarter. The troubles begin when Marsello and Musetta quarrel over her flirtations and Rodolfo's insane jealousy drives Mimi away. FTP, name this Puccini opera which provided the story for Jonathan's Larsen's musical *Rent*.

Answer: *La Bohème*

5. Juvenal Urbino in *Love in the Time of Cholera*, Thomas Stockmann in *An Enemy of the People*, Roger Chillingworth in *The Scarlet Letter*, John Watson in *A Study in Scarlet*, Martin Arrowsmith in *Arrowsmith*, and Robert Jekyll are all, for ten points, fictional practitioners of what profession?

Answer: medical doctors

Accept: medicine

Accept: *Love in the Time of Cholera* before "Love"

6. Max von Laue, working with zinc sulfide, laid the basis for the experimental technique that won Dorothy Hodgkin and Maurice Wilkins separate Nobel Prizes for their studies of penicillin, vitamin B12, and DNA. FTP, what is this technique, most associated with the father/son team of William and William Bragg which utilizes the wave properties of high energy photons to study small structures?

Answer: X-ray diffraction or X-ray crystallography

Prompt: diffraction or crystallography

7. It is named for a explorer who served on two of James Cook's expeditions and who later became the first to sail around the Strait of Juan de Fuca and into the Strait of Georgia. It covers 12,000 square miles and is the site of Strathcona Provincial Park and Pacific Rim National Park. FTP, name this island which houses Victoria, the capital of British Columbia.

Answer: Vancouver Island

8. She killed her younger brother Absyrtus and threw the fragments overboard to prevent her father from returning her and her treasure to Colchis. She also killed her husband's evil uncle Pelias, sent a poisoned robe to his new wife Creusa, slew their children, set fire to palace, and fled. FTP, who is this Greek sorceress who fell in love with Jason and allowed him to steal the Golden Fleece?

Answer: Medea

9. Unity, self-determination, collective work and responsibility, cooperative economics, purpose, creativity, and faith. Each of these principles has a day devoted to it during this week-long celebration, started in 1966 by Ron Karenga. FTP, identify this holiday which lasts from December 26 to January 1 and whose name comes from a Swahili word for "first fruits".

Answer: Kwanzaa

10. The Panic of 1873 brought together Southern and Western farmers in a loose political alliance. It had its greatest success in 1878 when 14 of its congressional candidates were elected. By 1884 it had dissolved, with many of its members becoming Populists. FTP, what was this American political party founded to promote--and named for--currency expansion?

Answer: Greenback Party

11. From 1970 to 1979 an award was made in each conference; recipients included Chuck Foreman and Boobie [sic] Clark for 1972. The first was given in 1956 to Charley Taylor. No one has ever won twice--or ever will--though Marino won in 1983 and Barry Sanders won in 1989, the first year they were eligible. FTP, what is this professional football award made each year by *The Sporting News* to a deserving neophyte?

Answer: Rookie of the Year

12. The most famous are in the troposphere, where there are three main types: polar, subtropical, and equatorial. The north polar one varies its position greatly, while the equatorial one exists only in the summer over Southeast Asia and Africa. The core of strongest winds is about 60 miles wide and can move at 200 miles per hour. FTP, name these meteorological phenomena.

Answer: jet stream

13. He built his reputation pacifying French Sudan and Madagascar and serving ably as governor general of Madagascar from 1901-1905. He declined the post of supreme commander of the French Army in 1911 due to age and health. He gained his greatest fame when, as military commander of Paris at the start of WWI, he saved France through his heroic defense at the First Battle of the Marne. FTP, name this French officer.

Answer: Joseph-Simon Gallieni

14. [Host: Pre-read to get the poetic meter right.]
His eyes had all the seeming of a demon that was dreaming
On the pallid bust of Pallas just above the chamber door.

He came in bleak December to one who did remember
All too well the radiant maiden whom the angels name Lenore.
And, stately in his bidding, poses for his ridding
Merely such a query: to name this ebon fury
For ten points now and ceasing phasmagore,
Speak aloud this piece of quaint and curious lore.

Answer: the raven

15. In 1800 he wrote the four-volume *Les Crimes de l'Amour*, which contained the essay "Reflections on the Novel." His philosophical works include *Dialogue Between a Priest and a Dying Man* and *Philosophy of the Bedroom*. FTP, identify this author, playwright, and libertine, whose masterpiece is about four months of sexual deviancy.

Answer: Donatien Alphonse François

Accept: Marquis de Sade

16. In a 1977 plebiscite, this nation voted for independence from France and made Hassan Gouled Aptidon its first president. Since then its National Assembly has been dominated by its largest ethnic group, the Issas, with the Afar minority calling for greater political power. FTP, name this desert republic located on the east coast of Africa separated from Yemen by the Bab al Mandab.

Answer: Djibouti

17. He holds the first industrial patent ever recorded, for hoisting gear used on a special marble-moving barge. Alberti dedicated *On Painting* to this infrequent painter, who rediscovered the laws of perspective. For ten points, identify this ex-sculptor who lost the Baptistery doors commission to Ghiberti but went on to architectural greatness with the dome of the cathedral of Florence.

Answer: Filippo Brunelleschi

18. Persian legend states that she was the daughter of a Chinese king. Ethiopians hold that she was the mother of their royal house. An Arab tale claims she had very hairy legs and King Solomon ordered his demons to create a depilatory for her. FTP, name this woman who ruled southwestern Arabia in the 10th century BCE and tested Solomon's wisdom with a series of riddles, rewarding him with gold when he was successful.

Answer: Queen of Sheba (Bilgis, Makeda)

19. Palomino horses, when bred, produce Cremello, light chestnut, and Palomino offspring in F2 generation. The populations are in the 1:2:1 phenotypic ratio characteristic of this phenomenon. It was first observed by Hugo de Vries when pink snapdragons resulted from crosses of red and white. FTP, name this phenomenon when genes are not paired as dominant/recessive but produce a phenotypically different heterozygote.

Answer: incomplete dominance

20. Ben intended to go to Alaska and ended up in Africa. Biff is a kleptomaniac. Happy is a womanizer. And the title character is losing himself more and more in past memories as his job disintegrates. FTP, identify this Arthur Miller play about Willy Loman.

Answer: Death of a Salesman

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Bonuses

1. Answer the following questions on the presidency of James Madison for ten points apiece.

a. What name was given to Henry Clay, Felix Grundy, John Calhoun, and others in their role of promoting war to gain Canada and Florida?

Answer: War Hawks

b. What secret 1814 meeting led to the collapse of the Federalist Party after it was rumored to have discussed the secession of New England?

Answer: the Hartford Convention

c. What four-word phrase is usually used to describe the period beginning in the two years following the War of 1812 during which prosperity ran rampant?

Answer: "Era of Good Feeling"

2. Given the surface feature, identify the non-terrestrial planetary body on which it can be found for ten points apiece.

a. the Golubkina and Lise Meitner craters

Answer: Venus

b. Mount Pele

Answer: Io

c. Great Dark Spot

Answer: Neptune

3. A rod of length 1 meter centered at the origin is oriented north/south along the y-axis. A particle of mass 1 kilogram traveling 1 meter per second to the east strikes the rod at its northernmost point. Answer the following questions for fifteen points apiece.

a. What is the angular momentum of the rod after the collision about its center?

Answer: 0.5 kilogram meter squared per second squared

b. After the rod has made one quarter of a revolution, in what direction does its angular momentum vector point?

Answer: up (along the positive z-axis)

4. Given each character, identify the work he narrates for ten points apiece.

a. Nick Carraway

Answer: *The Great Gatsby*

b. Jake Barnes

Answer: *The Sun Also Rises*

c. Humbert Humbert

Answer: *Lolita*

5. Given each of the following Shakespearean characters, identify his or her killer for ten points apiece. "None" is an answer if the character is alive at the end of the play.

a. Hotspur

Answer: Prince Hal (King Henry V Lancaster of England)

b. Mercutio

Answer: Tybalt

c. Portia, wife to Brutus

Answer: Portia, wife to Brutus

6. Identify the following Shel Silverstein characters for ten points apiece.

a. Despite God's stern warning to Noah, he was unable to get these stupid frolicking creatures onto the Ark and thus they perished.

Answer: unicorns

b. This lazy lout simply would not take the garbage out.

Answer: Sarah Cynthia Sylvia Stout

c. She gave everything she had to the boy he loved: her attention, her apples, her wood, and finally her stump to rest on.

Answer: the giving tree

7. The moderator will hand you three reproductions of paintings from near the turn of the century. Identify the works for ten points apiece. [VISUAL LET-02]

Answer: A. Les Femmes d'Alger (O. J. M.)

(The Women of (from) Avignon)

B. I and the Village

C. Where did we come from? Why are we here? Where are we going?

8. Answer the following questions about white blood cells for ten points apiece.

a. Name either of the two types of phagocytic white blood cells which engulf bacteria directly.

Answer: neutrophils or monocytes

b. What is the general name given to the non-phagocytic white blood cells?

Answer: lymphocytes

c. Which type of lymphocyte produces antibodies?

Answer: B cells

9. The moderator will play three excerpts from famous ninth symphonies. Identify the composer of each for ten points apiece.

Answer: 1. Franz Schubert,

2. Gustav Mahler,

3. Anton Dvorák

10. Identify the following thermodynamic state functions for ten points apiece.

a. This state function represents the amount of usable work extractable from a system. It is zero at chemical equilibrium.

Answer: Gibb's free energy

Prompt: G

b. This state function is given by the internal energy plus the product of the pressure and volume.

Answer: enthalpy

Prompt: H

c. This state function is given by the Helmholtz free energy plus the product of temperature and entropy.

Answer: internal energy

Prompt: U

11. Identify the following philosophers from their strange view of reality for ten points apiece.

a. This pre-Socratic thinker believed that water was the fundamental substance and that all matter was made from it.

Answer: Thales of Miletus

b. This Greek scientist, along with his student Democritus, put forth the first known atomic theory of matter.

Answer: Leucippus

c. This 18th century British scholar believed that "to be was to be perceived" and that unseen things retained reality only because God was always looking at them.

Answer: Bishop George Berkeley [BARK-lee]

12. Identify the following Jane Austen novels from brief plot descriptions for ten points apiece.

a. It is a response to the popular "Gothic horror" novels and depicts impressionable Catherine drawing false conclusions about a mysterious building.

Answer: Northanger Abbey

b. This novel focuses on the efforts of Mrs. Bennet to get her five daughters married.

Answer: Pride and Prejudice

c. The novel focuses on Miss Woodhouse's attempt to make a suitable match for her friend who is the illegitimate daughter of a tradesman.

Answer: Emma

13. Identify the following men active in the 20th century Pan-African movement for ten points apiece.

a. He helped found both the Niagara Movement and the NAACP and organized the first Pan-African Congress in London in 1900.

Answer: William Edward Burghardt DuBois [doo-BOYS] (1868-1963)

b. This ~~Sikuyu~~ Kikuyu chieftain and anthropologist founded the African National Union. He was active in the Kenyan independence movement and became that country's first Prime Minister.

Answer: Jomo Kenyatta (1893-1978)

c. He was largely responsible for the 1945 Manchester Pan-African Congress and afterwards organized the United Gold Coast Convention. He became the first Prime Minister of Ghana upon independence.

Answer: Kwame Francis Nwia Kofi Nkrumah (1909-1972)

14. Answer the following questions about the geography of Malaysia for five points apiece.

a. Malaysia was originally formed when one nation and three British colonies merged in 1963. Name those four entities.

Answer: Singapore, Malaya, Sarawak, Sabah

b. The provinces of Sarawak and Sabah are not on the mainland of Asia; on what large island to the south can they be found?

Answer: Borneo

15. Identify the following related to the French Revolution for ten points apiece.

a. This 1791 act which severed the French church from Rome was the first act which aroused serious opposition to the revolution.

Answer: Civil Constitution of the Clergy

b. This committee, under Robespierre, directed the revolution during its most terrible period.

Answer: Committee on Public Safety

c. This reaction, named for the month of the French calendar in which it occurred, toppled Robespierre. It was launched by members of the Committee he had accused of treason.

Answer: Thermidorean Reaction

16. Given each of the following works of world literature, identify the country or nation of which it is an epic for ten points apiece.

a. *Kalevala*

Answer: Finland

b. *Os Lusiad* [osh LOO-she-ad]

Answer: Portugal

c. *Mabinogion*

Answer: Wales

17. Identify the following people, all of whom were recently named to Time Magazine's 1997 list of "The Most Influential People in America" for ten points apiece each.

a. The only elected official on the list, this Republican Senator from Arizona and former Vietnam POW was cited for killing off peers' pork-barrel projects.

Answer: John McCain

b. Although his audience is barely half that of Howard Stern's, this shock-jock was cited for translating "stodgy politics into vital popular culture."

Answer: Don Imus

c. Chair of Harvard's Afro-American-studies department, he co-edited the *Norton Anthology of African-American Literature*.

Answer: Henry Louis "Skip" Gates, Jr.

18. Identify the following languages of Spain for ten points apiece.

a. This form of Spanish, named after the kingdom of Queen Isabella, is the official language of the country.

Answer: Castilian Spanish

b. Similar to the Provençal tongue of southern France, it is spoken in the area in and around Barcelona.

Answer: Catalan

c. Also called Euskara, it is spoken in northern Spain, in and around the city of Bilbao.

Answer: Basque

19. Identify the following mathematical structures for fifteen points apiece.

a. This is any set of objects with a closed binary operation that is associative.

Answer: semigroup

b. This is any set of objects which is a group under addition and with a distributive multiplication.

Answer: ring

20. Identify the following Nebraskans for ten points apiece.

a. Secretary of State for Wilson, he lost 3 Presidential elections as the Democratic nominee.

Answer: William Jennings Bryan

b. Featured in John F. Kennedy's *Profiles in Courage*, he, along with New York's La Guardia, sponsored a labor relations act in the 1930's.

Answer: George Norris

c. Secretary of Agriculture during Cleveland's second term, this originator of Arbor Day represents Nebraska in Statuary Hall along with Bryan.

Answer: Julius Sterling Morton

Visual Bonus LET-02



A



B



C