

Mezcla II (Maryland B and Wake Forest)

Note: this packet was not used, and was prepared as an emergency back-up pack

1. This process occurs through resonance. It happens when an alkyne is reacted with water. Its intermediate and isomer are readily interconverted by an actual or formal movement of an atom or group. The delocalization of the oxygen atom stabilizes the cation. FTP, name this type of resonance for which the keto-enol type is an example.

Tautomerism (isomerism is acceptable before the word isomer is mentioned in the question)

2. This scientist became a presbyterian minister in 1755. After moving to Leeds in 1767, he took up the study of Chemistry. He wrote An English Grammar and books on education and politics. His controversial views on religion and his support for the French Revolution led him in 1794 to flee to America where he was well received. FTP, name this chemist known for his research into the chemistry of gases and for his discovery of Oxygen

Joseph Priestley

3. During this Chinese dynasty, the capital was moved from the site of the modern city of Zhengzhou to Anyang which was the last and only documented capital of this dynasty. During this dynasty, we see the formation of the first cities in China, the use of writing and a fairly complex social organization. It began when King Tang overthrew the Xia Kingdom and flourished for about 550 years before it was overthrown by the Zhou Dynasty. FTP, name this dynasty that lasted from about 1600-1045BC.

Shang Dynasty

4. Born in Indiana in 1871, this novelist learned the facts of poverty at an early age. He was the son of a mill superintendent who was only intermittently employed and a doting mother. In 1911, he contemplated suicide due to the failure of his first work, but his brother Paul stopped him and got him a job with Butternick Publishers. That first work was Sister Carrie. FTP, name this writer of An American Tragedy.

Theodore Dreiser

5. This hormone is produced after granulosa cells begin to form Luteinizing hormone receptors and it decreases right at the end of pregnancy to trigger the release of prostaglandins which along with oxytocin stimulates contractions. Along with estrogen, this hormone helps regulate the ovarian cycle. FTP, name this hormone which promotes the secretory function of the uterus and helps maintain the corpus luteum during pregnancy.

Progesterone

6. This name recurs throughout Shakespeare, for instance as the uncle of Hero in "Much Ado About Nothing". FTP, identify this name, which also identifies a merchant in As You Like it, is a the brother of Prospero in The "Tempest" and one of the main characters in "The Merchant of Venice".

\_Antonio\_

7. Educated in England, he studied at the Royal Military Academy, Woolwich. After World War two, he turned increasingly to a life of pleasure. His nation's defeat by Israel and continuing British occupation led to increasing unrest, and General Naguib's coup forced in abdication and exile. He was succeeded by his son Fuad II who never held real power since a republic was established afterwards. FTP, name this last reigning king of Egypt before Nasser.

\_Farouk I\_

8. This disease is caused by the toxins from the Vibrio species of bacteria. The toxin activates the stimulatory G-protein linked to adenylate cyclase, thereby producing elevated intracellular levels of cAMP. Cells lining the small intestines thus secrete fluid in response to elevated levels of cAMP. FTP, name this disease that can be contracted by drinking polluted water or eating contaminated food characterized by especially watery diarrhea.

\_Cholera\_

9. The name is the same. He is the King of the Rhinoceros in the Babar book series. He is also a rodent in Norse mythology that goes up and down a tree swearing and muttering senseless words. FTP, give the name shared by king of the Rhinoceros and this foul-mouth squirrel.

\_Ratatosk\_

10. Born near Thebes, this poet was known as the Dircaen Swan. He was aristocratic in views and conservative in both politics and religion. He refused, for example, the famous story of Tantalus feeding his son Pelops to the gods, for he could not believe that the gods were cannibals. FTP, name this poet whose works, of which about one-fourth survive, are mainly Epinicia composed on commission to celebrate famous victories at the Olympian, Pythian, Nemean, or the Isthmian games, famous for his odes.

\_Pindar\_

11. This Hebrew prophet summoned Barak to fight against the Tyranny of Jabin. Predicting success, the prophet accompanied Barak in battle against Sisera, captain of Jabin's army. After the victory against the

Canaanites, she sang a song of triumph. FTP, name this female Judge of Israel.

\_Deborah\_

12. In 1964, this author began a series of novels with his second most famous detective, Tiger Mann, in Day of the Guns. He also wrote individual novels such as The Erection Set and The Killing Man. However, he is most famous for the detective he created in I, The Jury, who also appeared in such works as The Big Kill and Kiss Me Deadly. He wrote the script and played the role of the detective in the 1963 version of his book, The Girl Hunters. FTP, name this creator of Mike Hammer.

answer: Mickey SPILLANE

13. This French composer entered the Paris Conservatory in 1879 but was dismissed in 1882 for failing to attain the required standard. He is now considered the precursor of minimalism. He composed such ballets as Uspud, Mercure, and Relache, the symphonic drama Socrate and piano works, and chamber music. He is most well known for a ballet which Picasso designed and Diaghilev presented. The ballet caused a scandal at its premiere in 1917. FTP, name this composer of Parade.

Erik \_Satie\_

14. This U.S. diplomat studied law in London and later became governor of South Carolina and Ambassador to Great Britain. He negotiated the San Lorenzo Treaty with Spain which Established territorial and traffic rights on the Mississippi River. In 1797, he served as a federalist in the U.S. House of Representatives. FTP, name this major-general in the War of 1812 and brother of Charles.

\_Thomas Pinckney\_

15. The site of early Phoenician and Greek colonies, it fell to the Turks in 1571, and a large Turkish colony settled on this island. During World War I, Britain annexed this island which was declared a crown colony in 1925. Its current president is Glafcos Clerides and its largest city is Lefkosia. FTP, name this island nation whose flag has a map of the country on it.

\_Cyprus\_

16. The experimental work of T.W. Richards and W. Nernst first suggested this law. However, their work only showed that the change in entropy of any reaction will approach zero as the temperature approaches absolute zero. FTP, what is this law, formulated in 1913 by Max Planck, that states, "The entropy of any pure substance in a perfect crystalline form is zero at a temperature of absolute zero"?

answer: The Third Law of Thermodynamics

17. It was published in French in 1865, and was published in America under the names The Baltimore Gun Club and The American Gun Club. It concerns a collection of obsessive American Civil War veterans who conceive the idea of creating an enormous cannon to shoot a space-bullet from a site in Florida. Although subtitled "Direct Passage in Ninety-Seven Hours and Twenty Minutes," the actual journey was depicted in the novel's sequel, Round The Moon. FTP, name this Jules Verne novel known in France as De la Terre a la Lune.

answer: FROM THE EARTH TO THE MOON

18. Among his descendants were Menelaus and Agamemnon. His grandson Thyestes once seduced Aerope, wife of another grandson, Atreus. For this crime, Atreus killed Thyestes' children and served them as stew to Thyestes. Atreus, of course, must have gotten this idea from him, because this Greek mythological figure killed his own son, Pelops, and served him as a stew to the gods. For this crime, he was banished to Hades. FTP, name this king of Lydia, who is forever punished with unended thirst and hunger, but can't quite reach the water at his feet and the grapes above his head.

answer: TANTALUS

19. He had a great enthusiasm for sports, but several bouts with tuberculosis made him into a student at the University of Algiers. Throughout the 1930s, he wrote, produced, adapted, and acted for a theater company. He often examined the isolation of the individual and the problem of evil, and he received the Nobel Prize for literature in 1957. Among his many philosophical works are The Fall and The Rebel, in which he often analyzed contemporary nihilism and the sense of the absurd. FTP, name this French philosopher, author of The Plague.

answer: Albert CAMUS

20. Some of his most important work was in co-authoring a highly mathematical book called The Theory of Island Biogeography with Robert MacArthur in which they proposed a population equilibrium on islands. He is probably better known, however, among entomologists for his extensive studies of ants and among environmentalists as a champion of biodiversity. FTP, who is this biologist who also became famous by publishing Sociobiology: The New Synthesis?

Edward O Wilson

21. In the year 2010 it will complete one full trip around the sun since its

discovery. Observations by the Hubble Telescope have recently shown that the Great Dark Spot on its surface has apparently dissipated. The largest of its 8 satellites is in a retrograde orbit and will eventually come close enough to tear this planet apart. FTP name this planet, the sixth from the sun.

Answer: Neptune

MEZCLA IT

Boni

1. Identify these three artists and/or lovers of the arts for ten points each.

An American photographer, passionate advocate of photography as an art, and a pioneer exhibitor of modern art in the United States, in 1902 he founded the seminal Photo-Secession Group as a protest against the conventional photography of the time.

answer: Alfred Stieglitz

A statesman, ruler, and patron of arts and letters. He ruled Florence with his younger brother, Giuliano, from 1469 to 1478 and, after Giuliano's death he ruled solo for fourteen years. He wrote a bit of Petrarchan verse himself and was the patron of Botticelli, Leonardo, Michelangelo and others.

answer: Lorenzo de' Medici

He was born in St. Paul, MN on December 25, 1885. His most noted work is Prometheus at Rockefeller Center.

answer: Paul Manship

2. Yonsei are fourth generation Japanese Americans. For ten points each, give the similar names for first, second, and third generation Japanese Americans.

answers:

first- Issei

second- Nisei

third- Sansei

3. The end is near! Answer these questions for ten points each.

Who wrote the tetralogy Parade's End?

answer: Ford Madox FORD

What term describes poetry in which there is a grammatical pause at the end of each line?

answer: END-STOPPED

What sorcerer is mentioned in chapter 28 of 1st Samuel?

answer: WITCH OF ENDOR

4. Mexico, land of hope, opportunity, but no longer land of California, Texas, and the other southwestern states. Answer these questions about the Mexican-American War.

For five points, what president was in office at the start of the war?

answer: James POLK

For ten points, what treaty ended the war?

answer: Treaty of GUADALUPE HIDALGO

For fifteen points, what colonel bloodlessly occupied Santa Fe, then marched to California to complete the Bear Flag revolution?

answer: Stephen KEARNY

5. Einstein, Schmeinstein. Identify these other important contributors to that theory of relativity FTP each.

Besides anticipating chaos theory, this French theoretician also nearly anticipated the entire theory of special relativity in papers in 1899 and 1904, but he couldn't abandon the idea of ether.

answer: Henri Poincare

He was one of the first physicists to think about relativistic effects, although he was mainly interested in the luminiferous ether. Name this physicist who developed the idea of length contractions and for whom the fundamental equations of special relativity are named.

answer: Lorentz

After Einstein wrote his 1905 paper on special relativity, this mathematician developed the geometrical formalism needed for Einstein to expand the theory into general relativity.

answer: Minkowski

6. For ten points each, I demand that you supply these terms from economics.

The value of a firm's output minus the value of the intermediate goods bought from other firms.

answer: value added

The average number of times a dollar of money is used annually to buy the goods and services that make up GDP.

answer: velocity

The property of being instantly convertible into a means of payment with little loss in value.

answer: liquidity

7. Name the authors who created the following characters for ten points each. If you need the book, you'll only get five points.

10: Lily Bart, Simon Rosedale, and Lawrence Seldon

5: The House of Mirth

answer: Edith WHARTON

10: Memo Paris, Iris Lemon, and Roy Hobbs

5: The Natural

answer: Bernard MALAMUD

10: Mr. Humphrey Chimpden Earwicker, and Mrs. Anna Livia Plurabelle

5: Finnegans Wake

answer: James JOYCE

8. Given a bowl game, tell me the city where it takes place for ten points each.

A) Liberty

Answer: Memphis

B) Heritage

Answer: Atlanta

C) Copper

Answer: Tucson

9. Given characters from a Canterbury Tale, give the speaker of the tale for ten points each.

A) Young men and Death

Answer: Pardoner

B) Don Russell, Pertelote, Chantecleer

Answer: Nun Priest

C) Nicholas, Alison, Absolon

Answer: Miller

10. Every packet needs a wrestling question. Identify the wrestler from clues for ten points each.

A) He is accompanied in the ring by his parrot.

KoKo Bware

B) He is nicknamed the Heartbreak Kid

Shawn Michaels

C) He was an army officer who went a little overboard. He is the only wrestler to appear on the cartoon G.I. Joe

Sargeant Slaughter



11. Given the city, name the tectonic plate it sits on FTPE.

- A) Baltimore      Answer: North American  
B) Galapagos Islands      Answer: Nazca  
C) Beijing      Answer: Eurasian

12. Identify these twentieth century artists from clues on a fifteen-five basis

15: This American artist painted *Door to the River* and *Excavation*.  
5: He is most known for his *Woman* series.

Answer: William De Kooning

15: This sculptor exhibited at the second  
Blauer Reiter exhibition in 1912 and did a mural relief for the  
UNESCO building in Paris in 1958.  
5: he sculpted *Human Concretion* and was a founding dadaist.

Answer: Jean Arp

13. Given a work, identify the American writer for fifteen points each. You will get five points if you need an easier clue.

- A)(15) *The Road Through the Wall*, *The Birds Nest*, *The Sundial*,  
(5) *The Lottery*

Shirley Jackson

- B)(15) *The Valentine*, *Two Men of Sandy Bar*  
(5) *The Luck of Roaring Camp*

Bret Harte

14. 4. Pencil and paper ready: Two billiard balls weighing the same weight are propelled towards each other. The first is going 2 m/s coming from the left, while the other is going 5 m/s coming from the right. After collision in an elastic collision, the first ball goes to back to the left at 2.5 m/s.

A)(10) For ten points, what is the speed and in what direction is the second ball going after the collision.

0.5 m/s to the left

B)(10) For ten points, what is the kinetic energy of ball 2 using the answer to part A and that the ball weighs 1 kg.

1.25 joules ( $KE=1/2 MV^2$ )

C)(10) For five points each, if this was totally inelastic, what would the two speeds be for the balls after the collision?

First Ball goes 5 m/s to the left and the Second ball goes 2 m/s to the right (they change speeds with the other in a total inelastic collision).

15. 30-20-10 identify the author.

30: She graduated from Vassar and acted with the Provincetown Players.

20: The Provincetown players produced some of the plays that she wrote in college including *Aria de Capo* in 1920. She married Eugen Jan Boissevain in 1923.

10: Her works include *Distressing Dialogues*, *A Few <sup>F</sup>Thigs from Thistles* and *The Harp Weaver and Other Poems*.

Answer: Edna St. Vincent Millay

16. Identify the Egyptian god from clues for ten points each.

A) Cow-headed goddess of love and mirth Answer: Hathor

B) Hawk-headed god of say who was the son of Osiris and Isis Answer: Horus

C) Father of Osiris who is represented with a goose on his head.

Answer: Geb (or Keb or Seb)

17. Given the patriarch, name the dynasty they founded, 5-10-15

5: Frederick I of Brandenburg answer: Hohenzollern

10: Babar (not the elephant!) answer: Mogul

15: Steven of Hungary answer: Arpad

18. Answer the following questions about William Faulkner works for 5-10-15.

5: What family are the central characters in *The Sound and the Fury*

Compson

10: In what county did the Compson family live?

Yoknapatawpha

15: This person appears as the child in *The Evening Sun*, he never marries, and thus ended the Compson line. Name this last male Compson.

Jason IV (prompt on Jason)

19. A) *Rebecca and Eliezer at the Well* and *Young Boy Playing Dice*

\_Murillo\_

B)An Old Woman Frying Eggs and Surrender at Breda

\_Velasquez\_

C)Family of Charles IV and Saturn Devouring His Son

\_Goya\_

20. Answer these questions about the French and Indian War for the stated amount of points.

(10)For five points each, give the start and end years of the war.

\_1754\_ and \_1763\_

(5)For five points, what larger war was the French and Indian War a part?

\_Seven Years War\_

(5) For five points, what treaty ended the War?

\_Treaty of Paris\_

(10) For ten points, In what battle between Britain and France, did Britain gain control of all of Canada?

\_Quebec City\_ or \_Battle of the Plains of Abraham\_

ve the writers of the following cartoons for ten points each.

A)For Better or For Worse     Ans: Lynn \_Johnston\_

B)Marvin                         Ans: Tom \_Armstrong\_

C)Beetle Bailey             Ans: Mort \_Walker\_