

Maryland Spring 2014 - Get Your Pencil and Paper Ready NOW

Packet 13

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Tossups

1. **When diseased, these organelles can appear as ragged red fibers under a Gömöri trichromal stain. The translocation of proteins across this organelle is managed by the TIM/TOM complex. Pyruvate is converted to acetyl-CoA in this organelle. Deletions in the DNA of this organelle can result in Kearns–Sayre syndrome, and that DNA is passed down (\*) maternally. The inner membrane of this organelle is made up of folds called cristae. This organelle is the site of electron transport chain and the Krebs cycle, the latter of which takes place in its matrix. For 10 points, name this powerhouse of the cell, responsible for the production of ATP.**

ANSWER: mitochondria (or mitochondrion)

2. **During a snowstorm, this man’s troops built a dirt bridge and escaped the ditch built to trap them on the Bruttium peninsula. This leader sacrificed three hundred men to the ghost of his lieutenant Crixus. After leaving an institution operated by Lentulus Batiatus (\*) armed with kitchen implements, this man and his followers camped on Mount Vesuvius. This leader lost the Battle of the Siler River to Crassus, and he and 6,000 of his men were crucified on the Appian way. For 10 points, name this gladiator who led a slave revolt against Rome.**

ANSWER: Spartacus

3. **In one painting, this man holds a knife in his left hand, and in that painting he is surrounded by depictions of commerce, war, and mechanics. This man is holding a tool in one hand which a tall man in a red jacket asks for in a Grant Wood painting. One statue of this man “Enthroned” was based on the statue of (\*) Zeus at Olympus and was made by Horatio Greenough. This subject of the Lansdowne and Athenaeum Portraits is shown becoming a god in a painting on the ceiling of the Capitol Building. For 10 points, name this president whose portrait done by Gilbert Stuart is on the one-dollar bill.**

ANSWER: George Washington (or GW)

4. **In this novel, a nun seduces a priest and steals a communion plate with him. At the beginning of this novel, the protagonist is given fifteen crowns and an old yellow pony. A character in this novel remembers hanging his wife from a tree after discovering that she was branded with a fleur-de-lis. In this novel, two of twelve diamond tags are stolen by (\*) Milady de Winter to reveal the Queen’s affair with Buckingham. After accidentally insulting all of the title characters, this novel’s protagonist helps them fight off Cardinal Richelieu’s guards. For 10 points, name this novel about D’Artagnan and Porthos, Athos, and Aramis, a work of Alexandre Dumas.**

ANSWER: *The* Three Musketeers

5. **This person maintained a blog for the BBC under the name “Gul Makai.” In a March 2014 TED talk, this person’s father claimed that she was so strong because he “did not clip her wings.” In response to an event involving this person, Madonna stripped to reveal a tattoo of her name while performing at a Los Angeles concert. Christine Lamb co-wrote this person’s 2013 (\*) memoir, and she was displaced from her home during the Second Battle of Swat. While returning home from a school exam in October 2012, this person was shot in the head by a Taliban gunman. For 10 points, name this Pakistani activist and female education advocate, who received the Nobel Peace Prize in 2014.**

ANSWER: Malala Yousafzai (or Malala Yousafzai)

6. The practice of redlining in this city was the subject of Ta-Nehisi Coates's article "The Case For Reparations." One longtime mayor of this city had an unauthorized biography titled *Boss* written about him by Mike Royko, a columnist based in this city. That mayor said that "the police are here to preserve disorder" during one event hosted in this city in which Abraham (\*) Ribicoff was insulted, and Pigasus, a large pig, was nominated for president by the Youth International Party. The host of the 1968 Democratic National Convention, this city was also led by two mayors named Richard Daley. For 10 points, name this city currently led by Mayor Rahm Emanuel.

ANSWER: Chicago

7. A character in this novel lists 13 reasons, including "animal magnetism," to explain why he "made it on the bevel." At the end of this novel, a group of characters are eating bananas when they are approach by a woman with a gramophone and a man with new false teeth. In this novel, Dewey Dell is (\*) raped by a drugstore clerk while seeking an abortion. Darl sets fire to a barn in this novel, which also features the one-sentence chapter "my mother is a fish." For 10 points, name this novel about the Bundren family's journey to bury Addie by William Faulkner.

ANSWER: As I Lay Dying

8. In some denominations this practice is justified through the reading of the third chapter of the Book of Malachi. In Judaism this practice is known as *tzedakah*. In another religion, a person must meet the requirement of *nisab* before performing this action, and recipients of this practice are known as (\*) *asnaf*. The Sadaqat al-Fitr is a special form of this practice that is done after the month of Ramadan, and this practice is the third pillar of Islam. For 10 points, name this practice that is known as *zakat* in Islam, in which people give money to the poor.

ANSWER: almsgiving (accept charity or tithe; accept zakat until mentioned)

9. The Higgs field is unique in that it has a non-zero expectation value in this state. Theoretical calculations of the energy density of this entity differ from its measured value by about 120 orders of magnitude, a problem which has been called the worst prediction in theoretical physics. The Casimir effect is a small force between two non-charged metal plates in this medium. The index of refraction for a material is defined as the speed of light in this (\*) medium over the speed of light in the material. The best ones of these created on earth are about ten to the negative seven or negative eight Pascals. For 10 points, name this term for totally empty space which is abhorred by nature.

ANSWER: vacuum (accept cosmological constant; prompt on "space" or "the universe")

10. This composer used the symmetrical "arch form" in pieces such as his G major Piano Concerto No. 2. Another work by this man features a finale titled "The Chase," and that is part of his *Out of Doors* suite. An opera by this composer features the "blood motif" and uses contrasting F-sharp and C chords to represent the (\*) opening of the title character's fifth door. This man traveled around with his countryman Zoltán Kodály collecting Magyar folk songs, and in his best known opera Judith becomes the title nobleman's fourth wife. For 10 points, name this Hungarian composer of *Bluebeard's Castle*.

ANSWER: Béla Bartók

11. In 2002, this team's quarterback led them them to a 38–14 win over the Arizona Cardinals after breaking his ankle on the third play of the game. Awful quarterbacks drafted by this team include Bobby Hoying, and more recently, the illustrious Mike Kafka. After tying a game, a former quarterback for this team was ridiculed by the media for not knowing about the existence of ties. That quarterback for this team led it to Super Bowl 39, in which he threw three interceptions in a loss to the Tom (\*) Brady led Patriots. This team is currently led by a former University of Arizona quarterback who set the NFL record for TD-to-INT ratio in 2013.

For 10 points, name this NFL team whose current players include Nick Foles, that plays in the City of Brotherly Love.

ANSWER: Philadelphia Eagles (accept either)

12. A poem by this author mentions the “Zion of the water bead” and the “synagogue of the ear of corn” and ends by stating “after the first death, there is no other.” This poet wrote “Faith in their hands shall snap in two / and the unicorn evil run them through.” The four middle stanzas of a poem by him discuss “wise men,” “brave men,” “wild men,” and “grave men.” This author of (\*) “Refusal to mourn the death by fire of a child in London” and “And death shall have no dominion” wrote a villanelle in which the speaker advises his father to “rage, rage against the dying of the light.” For 10 points, name this Welsh poet of “Do not go gentle into that good night.”

ANSWER: Dylan Thomas

13. One result due to this mathematician uses the fact that the geometry of a surface is only dependent on its first fundamental form and implies that geometry is independent on a space’s embedding. That is his theorema egregium. This man proved a theorem about the solubility about pairs of congruences; that is his law of (\*) quadratic reciprocity. The product of the two principal curvatures is his namesake curvature. He names an equation that relates the electric flux through one of his namesake surfaces to the charge enclosed. For 10 points, name this German mathematician who names the normal distribution.

ANSWER: Carl Friedrich Gauss

14. One of these locations was built on the site of the Battle of Hastings and was known as the “Battle” one of these locations. Oswald of Northumbria directed Aidan to found one of these locations that was attacked by a group of men in longships who stole many illuminated (\*) manuscripts. One person who worked in one of these places in Jarrow wrote *The Ecclesiastical History of the English People*, and they were constant targets for Viking raids due to their wealth. For 10 points, name these locations that were centers of learning in the medieval world and housed people like the Venerable Bede.

ANSWER: abbeys (or Monastery; or Priory)

15. John Lachs is known for his writings about this philosopher, who authored the essay “The Genteel Tradition in American Philosophy.” This philosopher wrote about Oliver Alden in his only novel *The Last Puritan*. This man examined essence, matter, truth, and spirit in the four sections of his book *The Realms of Being*. This man claimed that philosophy begins (\*) “in media res” in his book *Skepticism and Animal Faith*. For 10 points, name this American philosopher, who is best known for his statement “Those who cannot remember the past are doomed to repeat it.”

ANSWER: George Santavana

16. This artist oddly included Aeneas carrying Anchises in a painting completed by his student Giulio Romano, *The Fire in the Borgo*. He used his lover, a baker’s daughter known as La Fornarina, as a model in several works. This artist’s *Marriage of the Virgin* imitates the style of his teacher Perugino. The *Belle Jardiniere* is one of his many depictions of the (\*) Madonna, which also include one in which the Christ child touches a goldfinch. A fresco by this artist depicts Michelangelo as Heraclitus and centers on a discussion between Plato and Aristotle. For 10 points, name this artist of *The School of Athens*.

ANSWER: Raphael (or Raffaello Sanzio da Urbino)

17. The Rogers Plan was intended to implement peace following this war after the failure of the Jarring Mission. After this war, the “Three Nos” were issued as part of the Khartoum Resolution. Abandoned ships known as the Yellow Fleet were trapped as a result of this war, during which one side mistakenly (\*) attacked the USS Liberty. This war was followed by the War of Attrition, and it began shortly after Gamal Abdul Nasser

closed the Straits of Tiran. The winners of this war quickly seized the Golan Heights, the Gaza Strip, and the West Bank. For 10 points, name this 1967 Arab–Israeli War that ended in less than a week.

ANSWER: Six Day War (or June War; or 1967 Arab–Israeli War; or Third Arab–Israeli War; or al-Naksa; prompt on “Arab–Israeli War” and the like)

18. **The dye Prussian blue contains a complex of cyanide surrounding this element. The first metallocene consisted of two cyclopentadienyl rings sandwiching an atom of this metal in between. The most common isotope of this element are produced by nickel-60 undergoing alpha decay. This metal is found with oxygen in (\*) hematite and with sulfur in pyrite, or fool’s gold. An atom of this element is coordinated at the center of hemoglobin proteins in red blood cells. For 10 points, name this element which is smelted with carbon to form steel, symbolized Fe.**

ANSWER: iron (or Fe before mention)

19. **A character created by this author imagines a naked man watching a bird on the beach while listening to Adele play piano. In a story by this author, doctors determine that Louise Mallard died of “the joy that kills” after she learns that her husband is still alive. In another story by this author, Armand burns the willow cradle of the title mixed-race child. This author of (\*) “Story of an Hour” and “Desiree’s Baby” wrote a novel which ends with the protagonist being rejected by Robert Lebrun and drowning herself in the Gulf. For 10 points, name this author who wrote about Edna Pontellier in *The Awakening*.**

ANSWER: Kate Chopin

20. **At the wedding of Hippodamia, this man slew the centaur Eurytus. He became the father of Melanippus after raping Perigune, the daughter of a bandit he killed. This hero killed a bandit who forced travelers to wash his feet and then kicked them off a cliff. With his friend Pirithous, this man kidnapped Helen and later became trapped in the underworld after trying to kidnap (\*) Persephone. This slayer of Sciron and the pine-bender Sinis was conceived when Poseidon and Aegeus slept with Aethra in the same night. He accomplished his most famous task with the aid of a ball of yarn given to him by Ariadne. For 10 points, name this founder of Athens who slew the Minotaur.**

ANSWER: Theseus

## Bonuses

1. Answer the following about mitosis, for 10 points each.

[10] During this stage of mitosis, chromosomes are split and sister chromatids move to opposite poles of the cell. This stage follows metaphase.

ANSWER: **anaphase**

[10] This is the protein structure on chromatids to which spindle fibers attach during mitosis. The outer region of this structure connects to microtubules, and its site of assembly is marked by the centromere.

ANSWER: **kinetochore**

[10] At the onset of cytokinesis, this indentation in the cell's surface is formed. In animal cells, it is formed by a contractile ring which pinches off the separated nuclei.

ANSWER: **cleavage furrow**

2. In a poem by this author, Eugene escapes a flood by sitting on a marble lion, from which he sees the title statue. For 10 points each:

[10] Name this Russian poet who wrote *The Bronze Horseman* as well as a poem in which the title antihero is rejected by Tatyana, *Eugene Onegin*.

ANSWER: Alexander Sergeyevich **Pushkin**

[10] After flirting with Olga, Eugene Onegin shoots Lensky in one of these events. Pushkin himself was killed in one of these events, which were usually fought to settle so-called "affairs of honor."

ANSWER: **duels**

[10] This other Russian writer described a duel fought on the edge of a cliff by Pechorin and Grushnitsky in his novel *A Hero of Our Time*.

ANSWER: Mikhail Yuryevich **Lermontov**

3. One ruler of this dynasty fought against Odoacer, and the bees on that king's coat would later serve as a symbol of another empire. For 10 points each:

[10] Name this dynasty whose rulers included Childeric I and supposedly descended from fish.

ANSWER: **Merovingian** Dynasty or Empire (or **Merovingians**)

[10] The Merovingian Dynasty was founded by this uniter of France. This guy destroyed the Visigothic King Alaric II at the Battle of Vouille and commissioned the Salic Law.

ANSWER: **Clovis** I (or **Chlodowig**)

[10] The Merovingian kings gradually lost power to these people, the last one of whom overthrew the Merovingian Empire.

ANSWER: **Majordomos** (or **Mavors of the Palace**)

4. Answer the following about some Hindu holidays. For 10 points each:

[10] This festival of lights celebrates the return of Rama to his kingdom of Ayodhya. It can also mark the return of the Pandavas.

ANSWER: **Diwali**

[10] This festival last for nine nights and ten days. The tenth day, Dussehra, celebrates the victory of Rama and is observed with the burning of effigies of Ravana.

ANSWER: **Navratri**

[10] Navratri is devoted to the worship of this slayer of Mahishasura. In West Bengal, clay idols of this goddess are immersed in water at the end of a five-day period of worship.

ANSWER: **Durga**

5. This director got his start by directing *Piranha II: The Spawning*, from which he was fired after not getting a good enough close-up for its producer. For 10 points each:

[10] Name this director of *Aliens*, whose most recent film was about the RDA Company's search for unobtainium.

ANSWER: James Cameron

[10] This former governor of California and actor has been the star of many of Cameron's films, such as *True Lies*, and portrayed the Terminator in *The Terminator*.

ANSWER: Arnold Alois Schwarzenegger

[10] Arnold played the title role in this film, where he portrayed Detective John Kimble. This film is notable for a scene in which Arnold reveals the true psychosis behind Detective Kimble by shouting "Shut up!" at a group of small children.

ANSWER: Kindergarten Cop

6. This poem's speaker laments that he is "Match'd with an aged wife" and that he metes and doles "unequal laws unto a savage race." For 10 points each:

[10] Name this poem in which the title "idle king" leaves his "scepter and the isle" to his son and leaves to "To strive, to seek, to find, and not to yield."

ANSWER: "Ulysses"

[10] "Ulysses" was authored by this Victorian-era poet who also penned *In Memoriam A.H.H.* and "Charge of the Light Brigade."

ANSWER: Alfred, Lord Tennyson

[10] Tennyson claimed that these things come from the "depths of divine despair" in a poem that calls them "Idle." These things appear when the speaker reflects on "the days that are no more."

ANSWER: "Tears, idle tears"

7. You pick up a periodic table and zoom in on the element chlorine. For 10 points each:

[10] Directly above the chemical symbol for chlorine, Cl, is the number 17, which is this quantity for chlorine. It is the number of protons in an element.

ANSWER: atomic number (or Z)

[10] This periodic table you are looking at is pretty detailed, and happens to have this quantity which represents the energy released when an electron is added to the neutral atom. Chlorine has the highest value for this quantity.

ANSWER: electron affinity (or EA, or E<sub>EA</sub>)

[10] Sadly, most periodic tables lack this value, which quantifies the amount of positive charge from the nucleus experienced by a particular electron in an atom.

ANSWER: effective nuclear charge (accept core charge, or Z<sub>eff</sub>, or Z\*; prompt on "Z")

8. An artist from this country painted several distorted red and black figures under a yellow sky in his work *The Funeral of the Anarchist Galli*. For 10 points each:

[10] Name this home to the artist Carlo Carrà, who joined the *pittura metafisica* movement after abandoning Futurism.

ANSWER: Italy

[10] *Pittura metafisica*, or "metaphysical art," was pioneered by this Italian artist of *Love Song* and *The Enigma of the Hour*.

ANSWER: Giorgio de Chirico

[10] De Chirico depicted two of *these* figures as mannequins in another painting. The two figures depicted allude to Thalia and Melpomene who were two of these figures along with Calliope and Terpsichore.

ANSWER: Muses

9. Answer some stuff about the crazy political and military career of Andres de Santa Cruz. For 10 points each:

[10] Along with Jose Antonio de Sucre, Andres defeated Melchor Aymerich at the Battle of Pichincha freeing this country from Spanish rule. This country's most populous city of Guayaquil was the site of a conference between San Martin and Bolivar.

ANSWER: Ecuador

[10] Andres was buddies with Diego Portales, a finance minister of this nation, and helped write its 1833 Constitution. A civil war in this nation occurred after its post-independence leader, Bernardo O'Higgins, resigned.

ANSWER: Chile

[10] Andres held this position for six months during 1827. Other prominent holders of this position include Nicolas Pierola, and its current holder is Ollanta Humala.

ANSWER: President of Peru (accept equivalents like Peruvian President)

10. This man coined the term "gestell" to denote the essence of modern technology. For 10 points each:

[10] Name this German philosopher who authored the essay "The Question Concerning Technology" and who also wrote about Dasein in "Being and Time."

ANSWER: Martin Heidegger

[10] Heidegger was known for his controversial relationship with this political party. Hannah Arendt documented the trial of a member of this political party in the book *Eichmann in Jerusalem*.

ANSWER: Nazi party (or National Socialist German Workers' Party)

[10] This student of Heidegger authored *Eros and Civilization* and coined the term "repressive desublimation" in his book *One-Dimensional Man*.

ANSWER: Herbert Marcuse

11. Name some things about event horizons and the things behind them. For 10 points each:

[10] This is the conjecture that every singularity is always hidden behind an event horizon. More popularly, it is the statement that there's no such thing as a naked singularity.

ANSWER: cosmic censorship hypothesis

[10] Kip Thorne and John Preskill bet this physicist that the cosmic censorship hypothesis was false. He is better known for theorizing radiation emitted from black holes and writing the book *A Brief History of Time*.

ANSWER: Stephen Hawking

[10] Another famous and related bet between Hawking and Preskill was the one concerning whether black holes can destroy this abstract thing. Hawking admitted defeat and bought Preskill an encyclopedia.

ANSWER: physical information (it was an encyclopedia "from which information can be retrieved at will")

12. The cigar-smoking Harry Fatt discourages the central group in this play from abandoning their jobs. For 10 points each:

[10] Name this play about a group of striking taxi drivers.

ANSWER: Waiting for Lefty

[10] *Waiting for Lefty* is a play by this American playwright who penned *Awake and Sing!* and *The Big Knife*.

ANSWER: Clifford Odets

[10] This other American playwright wrote *The Hairy Ape* and described the dysfunctional Tyrone family in *Long Day's Journey Into Night*.

ANSWER: Eugene O'Neill

13. In honor of a recent Ken Burns documentary, answer some questions about an American political family. For 10 points each:

[10] This President helped broker the Treaty of Portsmouth, for which he won a Nobel Peace Prize. He was an avid outdoorsman and fought with the Rough Riders in the Spanish-American War.

ANSWER: Theodore Roosevelt Jr.

[10] T.R. was from the branch of the Roosevelts from this New York hamlet. His cousin Franklin was from the other branch of the Roosevelts, headquartered in Hyde Park, New York.

ANSWER: **Oyster Bay**, New York

[10] A formative experience for T.R. was meeting this photographer, who often went on walking tours through the slums of New York with Roosevelt while he was police commissioner. This *Evening Sun* photojournalist documented those slums in his most famous book, *How the Other Half Lives*.

ANSWER: Jacob August **Riis** (“Reese”)

14. Answer some questions about semi-mythical American folk heroes. For 10 points each:

[10] This missionary and fruit fan journeyed across the Eastern United States planting trees in the early 19th century. He’s also famous for a hymn he sang wandering throughout the United States.

ANSWER: Johnny **Appleseed** (or John **Chapman**)

[10] This mythical, mutated huge man was imbued with the powers of a certain insect. He supposedly haunts West Virginia, and is rumored to land on car roofs a lot.

ANSWER: **mothman**

[10] This man disappeared after securing \$200,000 in ransom after skyjacking a plane in 1971. He jumped over the woods in Washington State and has since been the subject of an absurd amount of speculation.

ANSWER: D. B. **Cooper** (or Dan **Cooper**)

15. This river originates in the Himalayas in the Uttarakhand Province and flows south to the Bay of Bengal. For 10 points each:

[10] Name this river sacred to Hindus, the longest river in India.

ANSWER: **Ganges**

[10] The Ganges flows through this city in Uttar Pradesh. Several *ghats* lead down to the water of the Ganges in this city, which is one of the *Sapta Puri* where families frequently scatter the ashes of deceased loved ones.

ANSWER: **Varanasi**

[10] This capital of Uttar Pradesh names a “Pact” signed by the Muslim League and the Indian National Congress in 1916.

ANSWER: **Lucknow**

16. These animals took part in a famous experiment conducted in 1907 with Harvey Carr. For 10 points each:

[10] Name these animals that ran into shortened walls in a maze in the “Kerplunk” experiment.

ANSWER: **mice**

[10] The “Kerplunk experiment” was conducted by this American psychologist, who also conducted the “Little Albert” experiment.

ANSWER: John B. **Watson**

[10] Watson was influenced by this Russian physiologist, who conditioned dogs to salivate at the sound of a bell in his most famous experiment.

ANSWER: Ivan **Pavlov**

17. This god was revered by the Hyksos at their capital of Avaris, but hated everywhere else. For 10 points each:

[10] Name this Egyptian deity who was so hated that he was not worshipped, the god of deserts whose consort was Nephthys.

ANSWER: **Seth**

[10] Every night, Set aided this Egyptian sun god by guarding the Solar Barque. This god had a secret name that he told Isis after being bitten by a snake.

ANSWER: **Re** (or **Ra**)

[10] While guarding the Solar Barque, Set fights off this serpent every night. In some myths, this being’s head is cut



off every night by Re in the form of a cat.

ANSWER: Apophis (or Apep)

18. Name some things about Russian physicists and their work. For 10 points each:

[10] This Russian shared a Nobel with Frank and Tamm for the discovery of his namesake radiation. That radiation is a shock wave which occurs when a charged particle travels faster than the speed of light in the medium its in.

ANSWER: Pavel Cherenkov

[10] Probably the most famous Russian physicist is this man, known for his work on phase transitions, among other things. He also coauthored a great series of physics textbooks with Evgeny Lifshitz.

ANSWER: Lev Landau

[10] Landau's contributions include working on the model of liquids first proposed by this Italian physicist. This guy did lots of work on nuclear chain reactions and also names a class of particles with half-integer spin.

ANSWER: Enrico Fermi

19. This group chants "Double, double, toil and trouble" while adding things like the "eye of newt" to their cauldron. For 10 points each:

[10] Identify this group of three characters who tell the protagonist of a play that he will be safe until Birnam Wood comes to Dunsinane Hill.

ANSWER: the Three Witches (or the Weird Sisters)

[10] The witches appear in this Shakespeare play, in which the title Scottish thane murders King Duncan and is eventually killed himself by MacDuff.

ANSWER: *The Tragedy of* Macbeth

[10] In Act 2, Scene 3 of Macbeth, a drunken porter listens to this noise. This noise is said to represent the "reflux upon the fiendish" in a Thomas de Quincy essay.

ANSWER: knocking at the gates (or knock within)

20. This battle was fought shortly after Marco Antonio Bragadin was flayed and decapitated in Cyprus. For 10 points each:

[10] Name this victory for the Holy League navy under John of Austria, which is often credited with breaking a certain empire's power in the Mediterranean.

ANSWER: Battle of Lepanto

[10] The Battle of Lepanto was a major defeat for this empire, which was centered in modern-day Turkey and was once led by Suleiman the Magnificent.

ANSWER: Ottoman empire

[10] Several decades before Lepanto, this Genoese admiral had led the Holy League's fleet to glorious defeat by the Ottomans at the Battle of Preveza.

ANSWER: Andrea Doria

21. One composer from this country developed a technique in which the same musical phrase is repeated by two instruments at different tempos called phasing. For 10 points each:

[10] Name this country home to the composer of *Music for 18 Musicians*, Steve Reich.

ANSWER: United States of America

[10] Reich's first major work to incorporate phasing was *It's Gonna Rain*, which was written for this unusual electronic instrument.

ANSWER: magnetic tape recording

[10] A school of American composers that included Christian Wolff and Morton Feldman was based in this city, home to the famed Juilliard School for the performing arts.

ANSWER: New York City (or NYC)