

## ACF Winter 2010: Temporary Autonomous Zone

Edited by Andrew Hart, Rob Carson, Trevor Davis, Dennis Jang, and Eric Mukherjee

Packet by Chicago A (Michael Arnold, Nolan Esser, Margo Emont, and Adam Perkins) and LASA (Daniel Chupin, Shen Gong, Thomas Littrell, and Benji Nguyen)

### Tossups

1. Odin once asked this figure to cast a spell on two groups of twenty-one kings that forced them to fight each other, die, and be reborn eternally. Loki once snuck into this figure's bedroom disguised as a flea, which was necessary because no one could enter without this figure's permission. She was the only figure who could bring Hrungrnir more ale to drink until Thor was called to eliminate him. This mother of Hnoss travelled the world in order to find her husband. This owner of the boar Hildisvini also owned a cape of falcon feathers that allowed her to fly and a chariot that was pulled by cats. For 10 points, name this member of the Vanir who slept with four dwarves in order to obtain the necklace Brisingamen, the Norse goddess of love and the sister of Frey.  
ANSWER: **Freyja** [or **Frevja**; do not accept "Frigg" or "Frigga"]
2. A nude man and woman help another woman up in front of a dark landscape in this artist's *Departure of Summer*. Another of his works, which features a building in the background and a plant with a single eye in the foreground, was called *The Misunderstood*. His works in other media included a metronome with a picture of an eye attached to an arm that was destroyed by the Jarivistes, and a cloth-wrapped sewing machine tied to a wooden base. This creator of *Object to be Destroyed* and *The Enigma of Isidore Ducasse* painted *f*-holes onto a photograph of his companion Kiki de Montparnasse in a work called *Le Violon d'Ingres*. He also took photos of his cross-dressing friend Marcel Duchamp as the Rose Selavy. For 10 points, name this American Dada photographer and artist.  
ANSWER: **Man Ray** [accept Emmanuel **Radnitzky**]
3. Pyrethrin contains one of these molecules bridging an ester and an alkene moiety, and 1-1-1-propellene contains three of these molecules fused together. DBU and a diethyl malonate derivative are used to add this moiety to a fullerene in the Bingel reaction, and its bonds have partial pi character according to the Walsh orbital model. Adding a carbene to an alkene is another way of generating it; that same transformation can be performed via the Simmons-Smith reaction. Bent or banana bonding is used to explain how it relieves its incredible ring strain, which occurs due to the sixty degree angles between its carbon-carbon bonds. For 10 points, name this compound consisting of three carbons in a ring.  
ANSWER: **cyclopropane**
4. This state contains an uplift zone that runs straight through its eastern portion from its northern to its southern neighbors that is bordered by the Bourbon Arch. Travelers on one branch of the Oregon Trail had to brave crossing the Wakarusa River and Mount Oread in this state. Modern travelers to this state can stop at the Fort Larned National Historic Site to see a structure that protected the Santa Fe Trail. North-central Smith County in this state is home to the geographic center of the U.S. This state's northern neighbor contains the center of the largest aquifer in the United States, the Ogallala Aquifer. It is home to the "Air Capital of the World" as well as the "Little Apple," its city of Manhattan. For 10 points, name this state that contains cities like Topeka and Wichita.  
ANSWER: **Kansas**
5. A similarly named case to this one held that the impeachment of a judge was a political question beyond the reach of the judiciary. A notable argument by this case's losing side asserted that proving criminality is required before a criminal conspiracy is actually criminal. This decision affirmed that a federal court's jurisdiction is not necessarily barred from each "inter-branch dispute," and thus a legislative power vested in a Special Prosecutor could be enforced over claims of executive privilege. It resulted in the relinquishing of evidence to Judge John Sirica. For 10 points, name this 1974 Supreme Court decision that concerned the refusal of a sitting U.S. president to release relevant tape recordings for a trial about the Watergate break-in.  
Answer: *United States v. Nixon* [accept **Nixon** v. *United States*]

6. At one point, this character spreads some newly acquired gold Krugers on his bed and makes love to his wife on top of them, though, as in many of his erotic encounters, he thinks about Consumer Reports instead. This character lived with the black militant Skeeter and the runaway Jill Pendleton, though a house fire kills the latter, after which this character gets his wife back from Charlie Stavros. In the final book in which this character appears, he continues to lust after Pru, the wife of this character's son with Janice, and he ultimately dies on a playground trying to recapture the glory of his youth. For 10 points, identify this central character of a John Updike tetralogy, a former high-school basketball star that appears in books in which he is rich, is at rest, and runs.

ANSWER: Harry "**Rabbit**" **Angstrom** [accept either; prompt on "Harry"]

7. This figure appointed his greatest enemy as the leader of Red Shard, whom he later attempted to assassinate during a labor guild hostage situation. Sam Lane later orders Ral-Dar to shoot this figure, whose biological son has begun a romantic relationship with Thara Ak-Var. After Non was lobotomized by the science council, he served as an enforcer for this man, whose sentence was recently commuted by Alura. The lover of Ursa, this figure was sealed away for attempting to overthrow the government. In a more famous incarnation, this figure was freed when his enemy threw a hydrogen bomb into space, resulting in a portal to the Phantom Zone opening. For 10 points, name this figure played by Terence Stamp, who demanded that Superman, among others, "kneel before" him.

ANSWER: General **Zod**

8. This experiment was used to derive a value of the parameter epsilon equal to approximately .0023, which was later more accurately measured by the Fermilab KTeV and CERN NA48 experiments. The detectors in this experiment were a set of spark chambers with magnets angled at 22 degrees, while the apparatus itself consisted of a 57-foot tube with a particle beam pointed at one side. The experiment made use of the Brookhaven Alternating Gradient synchrotron, and about one in five hundred of the detected particles were the product of the faster decay process, many more than expected. Winning its namesakes the 1980 Nobel, for 10 points, name this experiment, which used the decay of kaons into pions to show direct CP violation.

ANSWER: **Cronin-Fitch** experiment [accept anything with **Cronin** and **Fitch** in it, also accept things like "The **experiment** that showed direct **CP violation**" before mention]

9. One member of this group wrote tracts under the name Martin Marpriest, and another wrote about "New Chains Discovered." A rallying cry for this group was the murder of Thomas Rainsborough, and they published the newspaper *The Moderate*. This group was opposed by the Grandees, and supporters of this group wore sea-green ribbons. Richard Overton was a leader of this group, which was opposed at the Putney Debates by Henry Ireton. This group supported the document "Agreement of the People" and was led by John Lilburne. This group's goals included universal male suffrage. A group which claimed to be the "true" form of this one was also known as the Diggers. For 10 points, name this group of democratic agitators active in Civil War-era Britain.

ANSWER: **Levellers**

10. One work by this writer introduces the idea of "postfigurative, cofigurative and prefigurative" societies. This writer's autobiography takes its name from a regional expression for a late cold spell that ruins a certain crop. The most vocal critic of this writer's work has attacked a commitment to write "for the Bishop Museum" and this writer's relationship with Dr. Charles Lane. Those attacks have come in books that describe "the Making and Unmaking of an Anthropological Myth" and this writer being subject to "a Fateful Hoaxing." Those attacks, launched by Derek Freeman, have claimed that this anthropologist misunderstood or was lied to by the teenage girls like Lola and Mala on the island of Ta'u. For 10 points, identify this author of *Coming of Age in Samoa*.

ANSWER: Margaret **Mead**

11. In this work's postscript, the narrator notes the failure of his novel *The Sharper's Cards* and the considerable success of an acquaintance, who won a Second Prize award in literature. At one point, that prize winner calls the narrator for the first time in his life and invites him to his house, which is owned by landlords Zunino and Zunгри. The narrator of this work visits that house every thirtieth of April, the birthday of his deceased lover, Beatriz Viterbo. At the end of this work, the narrator reveals that he believes the titular object is located in a mosque in Egypt, and not in the cellar of the house of poet Carlos Argentino Daneri. For 10 points, name this Jorge Luis Borges short story about an object that allows anyone to see all things, named for the first letter of the Hebrew and Arabic alphabets.

ANSWER: "El **Aleph**" [or "The **Aleph**"]

12. Many of these objects are expected to be detected by NASA's WISE infrared space telescope. Gliese 229B was determined to be one of these objects through the detection of methane in its atmosphere, but a more common method to detect these objects is the lithium test. The spectral classes T, L, and Y were created in order to classify these objects, which appear on the absolute bottom right of the HR diagram. A fringe theory posits that one of these objects sends objects from the Oort cloud into the inner Solar System, which in turn causes mass extinctions on Earth; that one is the alleged twin star of the Sun called Nemesis. For 10 points, identify these low mass "failed stars," which are not massive enough to fuse hydrogen in their cores.

ANSWER: **brown dwarfs**

13. Prior to this battle, the double-crossing Johann Gummert was hanged in effigy by one side, then actually hanged by the other. The winner of this battle ended one prior conflict with the Treaty of Traventhal. Its victor failed to immediately follow up his advantage, instead working to place his puppet Stanislaus Leszczynski on the Polish throne. The losing forces here were commanded by the Duke de Cröy, who was crushed when a blizzard blown into his men's faces aided the decisive charge by Count Rehnskjöld. It occurred when Russian forces were caught besieging the namesake Estonian fortress, though the result of this battle would be reversed nine years later at Poltava. For 10 points, name this victory for Charles XII and Sweden early in the Great Northern War.

ANSWER: Battle of **Narva**

14. The cantata *The Heirs of White Mountain* triggered fame in his homeland for this composer, whose *Carnival Overture* formed part of his *Nature, Life, and Love* trilogy. In England, Joseph Barnby introduced his *Stabat Mater*, the first religious piece by this composer. His only violin concerto was premiered by Joachim after that of Brahms. He composed a work whose six movements is each a "fleeting thought." A premiere by Victor Herbert convinced this composer to compose his second *cello concerto in B minor*, while time spent in Iowa convinced this composer of the *American quartet*, *The Bells of Zlonice* symphony, and the *Dumky Trio* to explore folk tunes in his ninth symphony. For 10 points, name this Czech composer who composed a symphony *From the New World*.

ANSWER: Antonin **Dvorak**

15. One character in this work declares the modern invention of the time-table to be more significant than the gospel, Homer, or the entire work of Immanuel Kant. This declaration occurs while several characters are waiting for the *Amelia*, a ship that originally brought one of the main characters to the island that is the setting of this play. One character in this play points out that naming a female character "Sulla" is inaccurate. Although several of the main characters are killed at the end of Act III by a mob led by Radius, Alquist is left alive and eventually discovers that the love between Primus and Helena will perpetuate the existence of the titular automatons. For 10 points, identify this play by Karel Čapek that introduced the word "robot."

ANSWER: **R.U.R.** [accept **Rossum's Universal Robots**]

16. Two volumes about this thinker titled *Epistemology* and *Ontology* were written by M.R. Ayers, one of the foremost authorities on this man's work. One work by this author argues that magistrates are limited by having only external authority, while the title attitude helps to eliminate civil unrest. Originally written to Phillip van Limborch, addressed as "Honored Sir," that work still condemns atheists as untrustworthy. This author wrote a work whose first section is directed against Filmer's defense of the divine right of kings. The second part of that work by this author claims that property results when work is done to improve nature, and outlines the shift from a state of nature to civil society. For 10 points, name this British philosopher who wrote *Two Treatises of Government*.

ANSWER: John **Locke**

17. Syndromes that affect this organ include WAGR syndrome and Denys-Drash syndrome, both of which increase the chance of developing Wilm's tumor. Another disease of this organ is Minimal Change disease, which increases its permeability to serum albumin, causing edema. Diabetic neuropathy is a disease of this organ that affects the blood vessels of the glomerulus, a capillary tuft that filters fluids out of the blood and into Bowman's Capsule. Dialysis is able to perform the tasks of this organ and is administered to patients with failed or missing ones. For 10 points, name this organ that filters the blood and produces urine.

ANSWER: the **kidneys**

18. One of this man's works contains sections on the Ascent of the Blessed and Fall of the Damned, while another of his paintings sees a woman balance a book on her head while a flower is extracted from the head of another figure. This painter of *Visions of the Hereafter* and *The Cure of Folly* depicted a man and a woman flying on a fish in the background while a saint meditates in the foreground in one work. Another work by this man depicts revelers eating and drinking, unaware that the tree-masted boat that they're in is sinking. For 10 points, identify this painter of *Ship of Fools* and *The Temptation of St Anthony* who also created a triptych that when closed depicts creation when closed, and when open shows Hell in one section and Paradise in another, *The Garden of Earthly Delights*.

ANSWER: Hieronymous **Bosch** [other acceptable first names include Jeroen and Jerome; other acceptable last names include **van Anthoniszoon** and **van Aken**]

19. One important figure in this conflict later led an expedition to drive Yaqub Beg out of Xinjiang. The lijn tax was instituted during this conflict. A massacre during it occurred when minister of state Yang Xiuqing attempted to seize power. Zuo Zongtang and Li Hongzhang were among those to lead local armies during it. This rebellion began among the Hakka people, and it at first advocated the segregation of men and women and the abolishment of private property. The Hunan Army was raised to put down this rebellion and was led by Zeng Guofan. It originated with the God Worshippers' Society, and this rebellion's leader, Hong Xiuquan, claimed to be the brother of Jesus. For 10 points, name this mid-nineteenth century Chinese rebellion that attempted to establish a "Heavenly Kingdom."

ANSWER: **Taiping** Rebellion

20. At one point in this work, the protagonist's brother and another character go swimming with the Reverend Arthur Beebe. One character in this work throws away some bloody photographs that the protagonist had purchased shortly before witnessing a murder. After a tennis game, one of this novel's characters reads aloud a passage about a couple kissing on a violet-covered terrace from a novel by Joseph Emery Prank, the penname of Eleanor Lavish. Early in this novel, its protagonist and her cousin Charlotte Bartlett switch quarters at the Pensione Bertolini with the Emersons. The protagonist of this work breaks her engagement to Cecil Vyse to marry George Emerson. For 10 points, name this novel about Lucy Honeychurch's stay in Rome, written by E. M. Forster.

ANSWER: *A **Room with a View***

21. In 2000, the "Bromeswell Bucket," a bronze vessel suspected to be of Byzantine origin, was found at this place. The ornamentations found on a shield discovered at this site have been linked to similar ones found near Uppsala in Sweden. Another interesting find at this site includes the "equestrian grave," a burial mound containing the remains of a young man and a horse. However, the site is best known for another burial mound, which is widely believed to be the final resting place of King Raedwald of East Anglia. For 10 points, identify this archaeological site in Suffolk, England, home to two Anglo-Saxon cemeteries as well as a famous undisturbed ship burial.

ANSWER: **Sutton Hoo**

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### Bonuses

1. Identify the following philosophers who loved them some Marx, for 10 points each.  
[10] Herbert Marcuse, Theodor Adorno and Max Horkheimer were totally down with Karl. Collectively, they are known by the name of this German city where they were based.  
ANSWER: **Frankfurt** School  
[10] This rabble-rousing Italian Marxist was locked up by Mussolini's government, giving rise to the hegemony-expounding writings called his *Prison Notebooks*.  
ANSWER: Antonio **Gramsci**  
[10] This dude notably killed his wife with his bare hands, but also elucidated concepts like the state apparatus and over-determination in *Reading Capital*, a volume written in collaboration with his students like Etienne Balibar.  
ANSWER: Louis **Althusser**
2. Identify these works of W.H. Auden, for 10 points each.  
[10] This poem's speaker says to "Pour away the ocean and sweep up the wood." It opens with the couplet "Stop all the clocks, cut off the telephone, / Prevent the dog from barking with a juicy bone."  
ANSWER: "**Funeral Blues**"  
[10] This poem describes "how everything turns away / Quite leisurely from the disaster" in a Breughel painting and opens by noting "About suffering they were never wrong, the Old Masters."  
ANSWER: "**Musee des Beaux-Arts**"  
[10] The Stage Manager asks "O what authority gives / Existence its surprise?" in the preface to this work, which contains sections titled "Prospero to Ariel," "The Supporting Cast, Sotto Voce," and "Caliban to the Audience."  
ANSWER: "The **Sea and the Mirror**: A Commentary on Shakespeare's *The Tempest*"
3. At the end of this opera, which earlier featured the "Huntsmen's Chorus," a bridal wreath saves Agathe from being killed by a bullet guided by Samiel. For 10 points each:  
[10] Name this opera in which Kaspar pushes Max to use seven magic bullets in a contest.  
ANSWER: *Der **Freischutz*** [accept *The **Freeshooter*** or *The **Marksman***]  
[10] This creator of *Konzertstück for Piano and Orchestra in F minor* composed such operas as *Euryanthe* and *Abu Hassan*, in addition to *The Freeshooter*.  
ANSWER: Carl Maria von **Weber**  
[10] This Weber opera sees Haroun al-Rashid's daughter Reiza sing the aria "Ozean, du Ungeheuer." Based on a namesake Christoph Martin Wieland poem, its other characters include Huon of Bordeaux and the titular elf-king.  
ANSWER: **Oberon**, or the *Elf-King's Oath*
4. Identify the following German military operations of World War II, all of which failed or were never carried out, for 10 points each.  
[10] This was the code name given to the German invasion of the Soviet Union. The goal of the operation was to create an Eastern boundary of Nazi Germany that ran from Arkhangelsk to Astrakhan.  
ANSWER: Operation **Barbarossa**  
[10] The summer after the Nazi defeat at Stalingrad, the Germans launched this offensive to destroy a bulge in the Soviet lines. It culminated at the Battle of Kursk.  
ANSWER: Operation **Citadel**  
[10] Had the Nazis succeeded in establishing air superiority in the Battle of Britain, they might have executed this planned invasion of England.  
ANSWER: Operation **Sea Lion**

5. Identify the following about an important set of equations, for 10 points each.
 

[10] This set of equations characterizes the effect of gravity as being the product of the curvature of spacetime, which is caused by the presence of mass and/or energy.  
ANSWER: **Einstein field** equations

[10] Birkhoff's theorem states that this solution of the Einstein field equations is the most general vacuum solution when one assumes spherical symmetry. It also describes black holes with no charge or angular momentum  
ANSWER: **Schwarzschild** solution

[10] This tensor, which appears on the right hand side of the Einstein field equations, is usually symbolized with a capital T. Its i-j component represents the flux density of the i-th component of the four-momentum across a surface of constant j.  
ANSWER: **stress-energy** tensor [accept **energy-momentum** tensor]
6. Identify some famous Masses, for 10 points each.
 

[10] A popular but possibly apocryphal anecdote claimed that this mass persuaded the Council of Trent not to ban polyphonic music. It certainly cemented the fame of its composer Giovanni Palestrina.  
ANSWER: **Pope Marcellus** Mass [or Missa **Papae Marcelli**]

[10] Including a notable "Symbolum Nicenum" section and a double set of fugues composing the Credo movement, J.S. Bach's most famous Mass is the one in this key.  
ANSWER: **B-minor** [prompt on **B**]

[10] This composer's Mass includes a long, pianissimo Credo with accents on "Ecclesiam," "peccatorum," and "mortuorum" and is unique for being uncommissioned. He also wrote *The Nightingale* and *The Rake's Progress*.  
ANSWER: Igor **Stravinsky**
7. Identify the following transcendental numbers, for 10 points each.
 

[10] When this number is raised to the pi-th power, it is known as Gelfond's constant. The proof of its transcendence was first given by Hermite and simplified by Hilbert. It is the base of the natural logarithms.  
ANSWER: **e**

[10] This transcendental number is constructed by placing a "one" in the nth decimal place, if n is a factorial, and a zero if it is not. Along with Sturm, this number's namesake lends his name to a type of differential equation.  
ANSWER: **Liouville**'s constant [do not accept "Liouville number/s"]

[10] Since it is non-computable, this number is transcendental. Although the exact digits are impossible to calculate, the number itself characterizes the probability that a random computer program will halt.  
ANSWER: **Chaitin**'s constant
8. It was the result of the McClellan Committee, which investigated the connection between labor and organized crime. For 10 points each:
 

[10] Name this 1959 act, which included a "union bill of rights" and created severe penalties for misappropriation of union.  
ANSWER: **Landrum-Griffin** Act [or **Labor-Management Reporting and Disclosure** Act]

[10] The Landrum-Griffin Act strengthened parts of this 1947 act that Congress passed over Truman's veto. It restricted the powers and rights of unions, and was conamed for a presidential son nicknamed "Mr. Republican."  
ANSWER: **Taft-Hartley** Act [or **Labor-Management Relations** Act]

[10] The Landrum-Griffin Act and the Taft-Hartley Act both modified the powers of this agency created by the Wagner Act. It consists of five members and a general counsel appointed by the president.  
ANSWER: **National Labor Relations Board** [or **NLRB**]
9. This man's work inspired Chaucer's *The Legend of Thisbe of Babylon*. For 10 points each:
 

[10] Identify this poet who wrote many poems whining about being exiled to the Black Sea in his *Tristia*. He's better known for *Metamorphoses*.  
ANSWER: **Ovid**

[10] Ovid wrote this three book collection where he claims to be the expert that Cupid himself turns to. Two of the sections are addressed to men, with the third to women, including an amusing discussion of sexual positions.  
ANSWER: **Ars Amatoria** [or the **Art of Love**]

[10] This Ovid poem is a rant against an enemy given the title avian nickname, with curses ranging from hoping his enemy dies during his wedding night to hoping a giant mortar and pestle crushes him.  
ANSWER: **Ibis**

10. Identify some things related to the Year of the Four Emperors, for 10 points each.
- [10] The civil war of 69 was sparked by the death a year earlier of this final Julio-Claudian Emperor. He built the *Domus Aurea* and started persecuting Christians after the Great Fire of Rome, during which he apocryphally fiddled.
- ANSWER: **Nero** Claudius Caesar Augustus Germanicus [or Lucius Domitius **Ahenobarbus**]
- [10] When this man realized that Galba was going to name Lucius Calpurnius Piso successor over him, he organized a coup and became the second man to rule in the year.
- ANSWER: Marcus Salvius **Otho**
- [10] During the reign of Vitellius, Gaius Julius Civilis led a rebellion of this Germanic tribe on the Rhine frontier. Although they were probably initially supportive of Vespasian's claim, they soon proclaimed an independent "Gallic empire."
- ANSWER: **Batavians**
11. Answer these questions about chemistry lab techniques, for 10 points each.
- [10] The simplest type of this purification technique uses a solvent that will dissolve the desired compound at high temperatures but not low ones. The solvent is heated and added to the impure compound, creating a saturated solution, and then slowly cooled allowing the compound to solidify.
- ANSWER: **recrystallization**
- [10] This technique uses a condenser to prevent vapors from escaping a boiling reaction. The vapors are condensed back into liquid and added back in, and a Dean-Stark trap is one method of doing this.
- ANSWER: **reflux**
- [10] This technique separates compounds based on their solubilities in immiscible liquids. The compounds are dissolved in one solvent and then mixed with the other in a separatory funnel.
- ANSWER: liquid-liquid **extraction** [accept partitioning]
12. It opens by stating that to learn and practice what is learned is pleasure, and it accompanies such works as *The Great Learning* and *The Doctrine of the Mean* in the Four Books of a certain system of thought. For 10 points each:
- [10] Name this work written during the Spring and Autumn and Warring States periods, whose twenty chapters include ones on benevolence and brotherhood, and one discussing the eight dancers of Chi.
- ANSWER: the **Analects** [or **Lun Yu**]
- [10] The *Analects* form the major text of this philosophical quasi-religion, major figures of which include its namesake Chinese thinker and his disciple Meng Zi, or Mencius.
- ANSWER: **Confucianism** [accept word forms; accept **Rujia**]
- [10] This concept, literally meaning "lord's son," refers to the archetype of a human with perfect ethical and moral thoughts who gains inner peace through being virtuous. Confucius himself is considered one.
- ANSWER: **junzi** [prompt on **gentleman**; or **perfect man** or similar things]
13. Answer the following concerning welfare economics, for 10 points each.
- [10] The first welfare theorem states that any competitive equilibrium leads to a resource allocation that satisfies this condition, which states that no possible individual benefits can be made without harming another individual.
- ANSWER: **Pareto optimality**
- [10] Welfare economics often concerns itself with inequality, a common measure of which is the area between the line of equality and the Lorenz curve for income. This "coefficient" is named after its Italian developer.
- ANSWER: **Gini** coefficient
- [10] When Pareto optimality cannot be satisfied, this looser condition is sometimes satisfied. It results when Pareto improvements can be reached if there exists the possibility for compensation for those made worse off.
- ANSWER: **Kaldor-Hicks** efficiency

14. Identify the following related to the evolution of an important taxonomic class, for 10 points each.  
 [10] This group of animals is characterized by possessing a neocortex in the brain and body hair. Their defining feature is the milk-secreting gland in the females, which gives them their name.  
 ANSWER: **mammals** [or **mammalia**]  
 [10] Mammals are members of this larger class of animals. They were the dominant land animals during the Permian period and are sometimes referred to as “mammal-like reptiles.” Examples include sailed-back reptiles such *Dimetridon*.  
 ANSWER: **synapsids**  
 [10] After the mass extinction at the end of the Permian, this group of animals became the dominant land animals of the time. This clade of animals includes living birds and crocodilians, as well as extinct dinosaurs and pterosaurs.  
 ANSWER: **archosaurs**
15. One of the protagonists of this novel was recuperating in the sex club Scales and Tails prior to the start of the work, while another was the manager of a beauty spa. For 10 points each:  
 [10] Name this novel that details the life of two of God’s Gardeners, who were led by Adam One prior to the onset of the plague.  
 ANSWER: *The **Year of the Flood***  
 [10] *The Year of the Flood* is the newest novel by this Canadian author, whose other novels include *The Blind Assassin* and one about the Republic of Gilead called *The Handmaid’s Tale*.  
 ANSWER: Margaret **Atwood**  
 [10] *The Year of the Flood* contains some characters that are also found in this other Atwood novel, in which Snowman is left to watch over the humans who survived the pandemic created by the second title character.  
 ANSWER: **Oryx and Crake**
16. His warrior-goddess mother Izpapalotl ruled over a paradise-like world called Mamoanchan, and has a name that can be translated “Clawed Butterfly.” For 10 points each:  
 [10] Name this god whose union with Coatlicue gave rise to the evil four hundred brothers and Coyolxauqui, all of whom were slain by Huiztilopochli.  
 ANSWER: **Mixcoatl**  
 [10] This deity, whose name means “Feathered Serpent,” was the twin brother of Xototl and was often associated with the morning star. Montezuma II may have believed, much to his misfortune, that Hernan Cortez was this god.  
 ANSWER: **Quetzalcoatl**  
 [10] This god, heavily associated with obsidian mirrors, was an enemy of Quetzalcoatl and is often depicted as missing a foot, which had been eaten by the monstrous Cipactli.  
 ANSWER: **Tezcatlipoca**
17. Subtitled “A Story of San Francisco,” it became the basis for Erich von Stroheim’s film *Greed*. For 10 points each:  
 [10] Name this novel, which details the love of Marcus Schouler and the title dentist for Trina, who dies due to a beating by the title character.  
 ANSWER: **McTeague**  
 [10] *McTeague* was written by this author, who also wrote about Magnus Derrick in a work based on the Mussel Slough Tragedy in *The Octopus*.  
 ANSWER: Frank **Norris**  
 [10] Norris also wrote this novel, which was to follow *The Octopus* in his “Epic of Wheat” trilogy. It centers on the speculation of Curtis Jadwin, who becomes ruined but lives a happier life thanks to his wife Laura.  
 ANSWER: *The **Pit***



18. This cereal's current mascots include an inexplicably Jamaican cinnamon stick, cleverly named CinnaMon, who engages in races with its other mascot, a certain fruit. For 10 points each:  
 [10] Identify this Kellogg's cereal that formerly bore the slogan "We eat what we like" and featured commercials in which unhip older squares asked radical teens why they liked it, since it didn't taste like its namesake fruit.  
 ANSWER: Apple Jacks  
 [10] This pink Hanna-Barbera mountain lion served for a time as the mascot for Cocoa Krispies, another Kellogg's cereal. His catchphrases included "Heavens to Murgatroyd!" and "Exit, stage right!"  
 ANSWER: Snagglepuss  
 [10] In 1984, Kellogg's released a limited edition figure-eight shaped cereal based on this robotic character, who in a 1983 movie was mistaken for a "Golden God" by a tribe of Ewoks. The cereal called itself a "new crunchy Force at breakfast!"  
 ANSWER: C-3PO [accept Threepio; or C-3PO's]
19. A long banister cuts across the lower left corner of this piece, while in the background the can-can dancer La Goulue, wearing a purple dress, reaches her hands up to her head to adjust her bun. For 10 points each:  
 [10] Identify this painting, the right side of which features an eerily-lit greenish-white-faced May Milton on the far right, while the artist and his taller cousin Gabriel Tapie de Celeyran walk by in the background.  
 ANSWER: At the Moulin Rouge  
 [10] *At the Moulin Rouge* was painted by this diminutive Frenchman, who created a number of posters for various Parisian attractions, including *Le Divan Japonais* and a number of depictions of Jane Avril.  
 ANSWER: Henri de Toulouse-Lautrec [accept Henri Marie Raymond de Toulouse-Lautrec-Monfa]  
 [10] Toulouse-Lautrec also painted one of these figures named Cha-U-Kao in a green suit with yellow frills. Antoine Watteau painted a commedia dell'arte character of this type named Pierrot dressed in baggy white clothing.  
 ANSWER: clowns [accept equivalents]
20. This group massacred the inhabitants of Dayr Yasin, and in 1946 they bombed Jerusalem's King David Hotel. For 10 points each:  
 [10] Name this militant underground movement in Palestine composed of right-wing Zionists.  
 ANSWER: Irgun Zvai Leumi [or Etzel]  
 [10] The final leader of Irgun was this future prime minister who signed the Camp David Accords with Anwar Sadat.  
 ANSWER: Menachem Begin  
 [10] Irgun turned into the Herut political party, which in turn gave birth to this party from which Begin was elected prime minister. Ariel Sharon broke with this party to form Kadima.  
 ANSWER: Likud-Liberalim Leumi
21. Answer the following questions about a terrorist organization, for 10 points each.  
 [10] This group was responsible for the Massacre at the 1972 Summer Olympics in Munich.  
 ANSWER: Black September  
 [10] Black September's name derived from a crackdown on Palestinian organizations in this nation, following an abortive coup against King Hussain.  
 ANSWER: Hashemite Republic of Jordan  
 [10] In March 1973, Black September raided the Saudi embassy in this African capital, which was later the site of US retaliatory bombings following attacks on its Kenyan and Tanzanian embassies.  
 ANSWER: Khartoum