

Early Fall Tournament 2016 - "Auntie Vivian's daughter can answer these questions, why can't you?"

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Packet 3

TOSSUPS

1. In the early 1700s, this genre was divided into a three-movement form suitable for court use and a four-movement form suitable for church use. Thirty binary-form, one-movement pieces in this genre were published in the collection *Essercizi* [ess-eh-CHEE-zee]. Six diminutive variants on this genre comprise the Opus 36 of Muzio Clementi. Originally named to contrast with the (*) cantata, this genre was standardized in the classical era to comprise an exposition, development, and recapitulation. Over five hundred pieces in this genre were written by Domenico Scarlatti. Mozart's piano pieces in this genre include one in C major "for beginners" and one whose third movement is marked *Ronda alla turca*. For 10 points, name this genre of music whose name derives from the Italian for "sound."

ANSWER: sonata [or sonatina] <Music, EK>

2. The "Constitution" of this concept consists of a series of paradoxes about nature and society according to the author of *Laboratory Life*. Sociology should aim to study the "reflexive" variety of this concept according to Ulrich Beck and Anthony Giddens. Zygmunt Bauman proposed that this concept has continued in a "liquid" form, in contrast to the notion that we have moved beyond it and become skeptical of "grand narratives" as put forth by thinkers like (*) Fredric Jameson and Jean-François Lyotard [lyo-tahr]. Thinkers who rooted their philosophy in notion of moving beyond this concept include the author of *Simulacra and Simulation*, Jean Baudrillard. For 10 points, Jacques Derrida's philosophy is often described as being "post-" what concept, the period of time from 18th century to the present?

ANSWER: modernity [accept any form of the word modern; or modernization; accept postmodernism; accept *We Have Never Been Modern*] <SocSci, WA>

3. During a poker game, the publisher Kingbitter calls this place "the untrumpable card." A work set here opens with a poem that curses, "may your children turn their faces from you" to the reader who does not "carve [t]hese words into your heart" and describes its author's time making synthetic rubber here. This location is cited as the reason not to have kids by Imre Kertész. A memoir partially set in this location repeatedly asks "Where is God?" and declares God "is hanging here from this gallows." "Survival" in this place was chronicled in (*) *If This is a Man* by Primo Levi. Moshe the Beadle discusses the Kabbalah in a memoir that describes a march from this location to Buchenwald. For 10 points, name this concentration camp complex, a primary setting in Elie Wiesel's *Night*.

ANSWER: Auschwitz [or Auschwitz-Birkenau; or Auschwitz-Monowitz; prompt on partial answer] (the novel in the leadin is Kertész's *Liquidation*) <EuroLit, JC>

4. Martin Crapper claims one of these locations could receive water from the *Arcus Neroniani* and was drained by the *hypogeum*. Atilius was banished for his role in the collapse of one of them in Fidenae. According to Pliny the Elder, the first of these was built by Curio to honor the death of his father. Lentulus Batiatus trained people to work in these places, which could be modified to hold *naumachiae* [now-MAH-"key"-eye"]. Cassius Dio relates how Rome was charged one million *sesterces* when (*) Commodus featured in events at one of them. The most famous one was built using spoils from the Great Jewish Revolt over the former *Domus Aurea*. Participants in events in them supposedly said "we who are about to die salute you." For 10 points, name these places that hosted fighting spectacles, exemplified by the Coliseum.

ANSWER: gladiator arenas [accept amphitheaters; accept the Coliseum before mention; accept equivalents indicating "places where gladiators fight" before mention; do not accept or prompt on "theater" alone; do not accept or prompt on "ludus" or "gladiator school"] <Brit/ClassHist, JZ>

5. This is the only quantity that serves as a natural variable for each of the microcanonical, canonical and grand canonical ensembles. This quantity raised to the polytropic index, then multiplied by its conjugate, is equal to a constant for a polytropic process. For an ideal gas, allowing this quantity to change increases the heat capacity by R . This quantity can be accounted for by applying a hard sphere potential to the virial equation of state, which is a power series that expands the reciprocal of this quantity. This quantity and (*) temperature are held constant when using the Helmholtz free energy. Since this quantity is the conjugate of pressure, work done by a gas can be expressed as the integral of pressure with respect to this value. For 10 points, name this quantity that is measured in cubic meters.

ANSWER: volume [prompt on V] <Phys, AW>

6. In a novel from this country, Inspector Borlu investigates the killing of a girl in Beszel, a city that overlaps entirely with the city of Ul Qoma. In another novel from this country, Jan Rodricks finds that he is the last man on Earth after returning from Rashaverak's home planet. *The City & the City* is a novel by this country's creator of the *Bas-Lag* trilogy, China Mieville. Karellen leads the Overlords to end all wars on Earth in this country's novel (*) *Childhood's End*, whose author wrote a novel in which Bowman remarks "oh my God! – it's full of stars!" after a struggle with HAL 9000. In a novel, this country's ship *Thunder Child* manages to destroy two tripods of the attacking Martians. For 10 points, name this home country of Arthur C. Clarke and the author of *The War of the Worlds*, H.G. Wells.

ANSWER: United Kingdom of Great Britain and Northern Ireland [or UK; or Great Britain; accept England] <BritLit, RY>

7. This city's *Evening Journal* newspaper was founded as an Anti-Masonic Party mouthpiece by a man who later spread propaganda in England during the Civil War. A man who worked in this city before moving to Washington D.C. claimed "to the victor belong the spoils," inspiring the term "spoils system." A group based in this city grew out of the Bucktails, which opposed an infrastructure project promoted by the elected successor to (*) Daniel Tompkins. A folk etymology of the phrase "OK" comes from a village near this city called Kinderhook. Thurlow Weed opposed a political machine in this city led by men like William Marcy and Martin van Buren, called its "regency." The Erie Canal ran from this city to Buffalo. For 10 points, name this capital of New York.

ANSWER: Albany <AmHist, RY>

8. Propylthiouracil, or PTU, inhibits an enzyme located on the apical membrane of this non-kidney organ's follicular cells alongside Pendrin transporters. Follicles of this organ encapsulate a colloid mixture where a namesake peroxidase conjugates tyrosyl residues on MIT and DIT. A disease in which antibodies target receptors for the secondary hormone in this organ's axis is the leading cause of its primary insufficiency in America; that disease is (*) Hashimoto's disease. C-cells in this organ act to reduce calcium levels in the blood by secreting calcitonin [cal-sih-"TOE"-nin]. Table salt is often fortified with iodine to combat insufficiency in this organ. Overstimulation of this organ by TSH causes it to be enlarged into a goiter at the base of the neck. For 10 points, name this organ which produces namesake hormones that regulate the body's metabolic rate.

ANSWER: thyroid <Bio, JC>

9. This philosopher used the "essence of man" and the individual Socrates as examples of "undesignated" and "designated" matter. This thinker's articulation of the soul as both a physical substance and an immaterial form is found in a set of commentaries drawing on his colleague William of Moerbeke's translation of *De Anima*. He introduced an argument stating that all things, including goodness, must be categorized in hierarchies of degree, thus concluding that an (*) ultimate goodness must exist. This philosopher expanded on a book consisting of sections of 114 and 198 *quaestiones* in his *Summa Contra Gentiles*, which builds on a set of arguments like the contingency argument, the "first cause," and the "unmoved mover." For 10 points, name this philosopher who outlined five proofs of God in *Summa Theologica*.

ANSWER: Thomas Aquinas <Phil, WA>

10. This method of death claims the life of a youth who is guided to his lover each night by a light atop a tower to Aphrodite. All the citizens of a city perish in this manner after the devil tricks Dahut into stealing the key to the city gates from her father Gradlon. In Scottish legends, this method of death awaits foolish men who mount a black horse-like demon called a (*) kelpie. Slavic folklore describes how a woman who dies in this fashion becomes a *rusalka*. This fate claims the lives of young English children who succumb to the sinewy arms of the grindylow, as well as Greek men who are seduced by the song of the sirens. After his wings of wax melt in the sun, Icarus dies in this manner. For 10 points, identify this method of death which condemns sailors to Davy Jones's Locker.

ANSWER: drowning [or shipwreck; or obvious equivalents] <Myth, EK>

11. A poet used this language to write about a doctor who poisons a goldsmith so that a beautiful handmaiden will stop loving him. This is the language of a poem that calls humans limbs of the same body, and children of Adam. A poem in this language has a hero who restores his king's sight by slaying a white demon; that hero rides a horse named Rakhsh. A poetry collection in this language opens with the command to listen to a complaining (*) reed-flute. This is the language of the *Gulistan*, or rose garden, written by Sa'adi, and the *Masnawi*, or "Spiritual Couplets," by Rumi. An epic poem in this language tells the stories of Sohrab battling his father Rostam. For 10 points, name this language that Ferdowsi used to write the *Shahnama*.

ANSWER: Persian [or Farsi] <OLit, RY>

12. A leader with this surname redirected a river to create the "dam of the revolution" usually now called the Tabqa dam. Two brothers with this surname responded to a failed military intervention by launching the Corrective Revolution, which ousted Salah Jadid. A man with this surname established the *shabiha* militia. A leader of this surname tried Michel Aflaq for treason *in absentia*; later, in 1982, he carried out a brutal siege of (*) Hama to exterminate the Muslim Brotherhood. A leader with this surname is domestically supported by Christians and Alawite religious minorities. Barack Obama drew a "red line" threatening intervention if that leader, who is backed by Iran and Russia, used chemical weapons. For 10 points, give this surname of brutal Syrian leaders Hafez and Bashar.

ANSWER: al-Assad <WorldHist, WA>

13. The BBC Documentary *The Private Life of a Masterpiece* argued that a rendition of this scene housed at the Prado may be the most important painting of the fifteenth century. That version of this scene was brought to Switzerland in a train during the Spanish Civil War. A version of this scene betrays the influence of the artist's teacher Campin in its realistic faces, such as the tears of a woman of Cleophas. That painting of this scene shows a (*) swooning blue-clad woman in a T-shaped pose matching that of her son. Famous versions of this scene were done by Rogier van der Weyden and Pieter Paul Rubens, the latter of whom showed Nicodemus and Joseph of Arimathea atop ladders wrapping a white cloth around a body. For 10 points, in what artistic scene is Jesus lowered from the cross?

ANSWER: The Descent from the Cross [or The Deposition from the Cross] <Painting, PC>

14. Molecules referred to as telechelic [tell-uh-"KEY"-lick] can continue to undergo one of these reactions. Beta-scission and backbiting are mechanisms that interrupt these reactions. The primary use of methyl methacrylate is to undergo one of these reactions. These reactions were originally distinguished as "addition" or "condensation" types depending on their products. The mechanism of this sort of reaction can be determined by plotting the (*) molecular weights of the products against the percent conversion. Radicals, carbocations, or carbanions initiate and propagate these reactions through a chain-growth mechanism. A high degree of tacticity can be obtained when using Ziegler-Natta catalysts to perform this sort of reaction. For 10 points, what sort of reaction which forms macromolecules from identical subunits called monomers?

ANSWER: polymerization <Chem, AW>

15. In this opera, a group of friends use an oncoming military procession as an excuse to leave a restaurant without paying. This opera's tenor lead realizes that he has fallen in love when he sees the face of his beloved bathed in moonlight, which prompts the duet "*O soave fanciulla*." A character in this opera sings about how men stare at her beauty when she walks down the street in the aria (*) "*Quando me'n vo*," or her namesake waltz, which is intended to make Marcello jealous. In its first act, the tenor aria "*Che gelida manina*" is sung as an excuse for Rodolfo to get closer to Mimi, who later dies of tuberculosis. For 10 points, name this Giacomo Puccini opera about a group of poor friends living in an attic in Paris.

ANSWER: La bohème <OArts, EK>

16. An instance of this phenomenon named for Novaya Zemlya which was first recorded by Gerrit de Veer requires the presence of thermoclines and sunlight to have a large inversion layer. The Hafgerdingar Effect, or the appearance of "sea fences," is an example of the "superior" type of this phenomenon, which relies on a layer of hot gas being below a layer of cold gas. The Australian Min Min Lights is believed to be a (*) *fata morgana*, a type of this phenomenon which is created as light passes through layers of air that each have different refractive indices, thus making it seem as though objects in the distance are much closer. For 10 points, name this kind of atmospheric phenomenon, one example of which is an illusory oasis in a desert.

ANSWER: mirages <OSci, IJ>

17. Members of this family recite Dowson and Swinburne with lines like, "though we sang as angels in her ear,/ She would not hear," causing their father to state that they should read more Shakespeare. The matriarch of this family believes one of its members intentionally killed Eugene by infecting him with measles. A member of this family tells a story about Shaughnessy's pigs breaking into an ice pond, a story which is central to the play A (*) *Moon for the Misbegotten*. In the play this family appears in, Doctor Hardy diagnoses Edmund with tuberculosis. This family's matriarch Mary is addicted to morphine, and its male members such as James and Jamie suffer from alcoholism. For 10 points, name this family at the center of Eugene O'Neill's *Long Day's Journey Into Night*.

ANSWER: Tyrone family <AmLit, JC>

18. Susan Blackmore tried to use an idea coined by this thinker to explain the origin of languages in a book about that idea's "Machine." This thinker argued that most evolutionarily favored adaptations primarily favor the replication of the elements that cause those adaptations, and only incidentally benefit the organism, in *The Extended Phenotype*. This thinker coined a term that analogizes pieces of culture to pieces of the (*) human genome. This author, who promoted a gene-centered view of evolution and coined the word "meme" in *The Selfish Gene*, argued in a 2006 book that a supernatural creator is almost certainly nonexistent and that religious faith is idiotic. For 10 points, name this hardline atheist who wrote *The God Delusion*.

ANSWER: (Clinton) Richard Dawkins <Other, WA>

19. Besides referring to a covenant with God, the word *matzevah* refers to an object created after one of these occurrences. An event held after the aftermath of one of these occurrences usually involves the recitation of *El Malei Rahamin* and a few verses from Psalms. A large number of these occurrences are commemorated on the 27th of Nisan, opening with a ceremony at Yad Vashem. These events, which are commemorated by the (*) lighting of a *yahrzeit* [yohr-tzayt] candle, prompt a mandatory seven-day observance known as *shiva*. Saying Kaddish occurs in the aftermath of one of these events, millions of which are commemorated on Yom HaShoah. For 10 points, identify these events that are followed by periods of mourning in Judaism and other religions.

ANSWER: deaths in Judaism [accept equivalents; accept funerals until it is read; accept Holocaust specifically] <Rel, WA>

20. Nanni Balestrini's *We Want Everything* is based on an account of workers producing these products during Hot Autumn. The Lotta Continua movement was founded by students in Turin and workers who made these products. A pillar of the "Strength Through Joy" movement was a project to create a "people's" variety of these products promoted by Adolf Hitler. The state-owned company VEB, located in Zwickau, produced a notoriously (*) shoddy example of these products in East Germany. Since the 1930s, Shell Oil has partnered to promote sports with a company that produces these products. The company Sachsenring [SOCK-sen-ring] produced one known as the Trabant. For 10 points, Karl Benz invented what kind of product, which is made by a company named for him and Mercedes?

ANSWER: cars [or automobiles; accept car industry or automobile industry] <EuroHist, WA>

IF THE GAME IS A TIE AFTER REGULATION: Report to the tournament director. Then, read a bonus from the tiebreakers packet that the tournament director determines the team has not yet heard.

BONUSES

1. Harold Bloom called this play a “revenge of Shakespeare upon himself” and “compulsive self-parody.” For 10 points each:

[10] Name this bloated, trope-filled play titled after a Roman King of Britain in which Imogen’s pretend death leads her long-lost brothers to sing “Fear no more the heat o’ the sun.”

ANSWER: Cymbeline

[10] In the play, Imogen travels under the guise of a boy named Fidele. In this other Shakespeare play, Portia pretends to be a male lawyer named Balthazar to defend Antonio and Bassanio against Shylock.

ANSWER: The Merchant of Venice

[10] This classic “trick” in Renaissance literature is performed on Angelo in *Measure for Measure* and entails Mariana pretending to be Isabella in the dark in order to legally consummate her marriage to him.

ANSWER: “bed trick” <BritLit, JC>

2. It’s estimated that 5 to 10 percent of this program’s costs are fraud, including about \$1 billion carried out by three Floridians arrested in June 2016. For 10 points each:

[10] Name this U.S. healthcare program that provides national insurance to persons age 65 and older, as well as those who receive Social Security disability benefits.

ANSWER: Medicare [do not accept or prompt on “Medicaid”]

[10] This name is given to the prescription drug benefit that was added to Medicare as part of the Medicare Modernization Act passed in 2003.

ANSWER: Medicare Part D

[10] The Affordable Care Act set up incentives under which these groups can earn up to 60 percent of the savings they generate for Medicare. Pay to these groups of healthcare providers, which have a three-word name, is tied to quality metrics as opposed to a fee-for-service model.

ANSWER: accountable care organizations [or ACOs] <Other, WA>

3. The predominant theory for this entity’s formation is the giant impact hypothesis, also known as the “Big Splash” event or the Theia impact event. For 10 points each:

[10] Name this celestial body that is the Earth’s only natural satellite.

ANSWER: Earth’s Moon

[10] Earth’s Moon does not possess a global example of this type of entity. For the Moon, this entity now originates entirely from its crust and is thus less than one-hundredth as strong as the Earth’s.

ANSWER: magnetic field [accept geomagnetic field or crustal magnetic field]

[10] Despite remaining a frequent target for unmanned scientific missions, the Moon has not been visited by a manned spacecraft since 1972, when it was visited by this mission.

ANSWER: Apollo 17 [prompt on Apollo] <OSci, RH>

4. Name the following countries that host significant portions of the Lebanese diaspora, for 10 points each.

[10] Lebanese in this African country are grouped into established *durables* and recent *nouveaux* arrivals. Both were disliked by *petit-blancs* from France, which colonized this country and intervened here in Operation Unicorn.

ANSWER: Ivory Coast [or Côte d'Ivoire]

[10] Lebanese immigrants to this Latin American country were pretty much the only ones who didn't come to work on plantations during its early 20th-century rubber boom, which made "white slaves" out of many Italian immigrants.

ANSWER: (Federative Republic of) Brazil

[10] This country actually has the third-most people of Lebanese descent in the New World, behind Argentina and Brazil; its famous citizens of Lebanese descent include Darrell Issa and Ralph Nader.

ANSWER: United States of America [or USA; or appropriate nicknames like Murka] <WorldHist, WA>

5. The position of this thing in a sentence determines whether it is left-branching or right-branching. For 10 points each:

[10] Identify this linguistic term used to refer to the word that determines a phrase's syntactic type; for example, in the noun phrase "colorless green ideas," the noun *ideas* is *this*.

ANSWER: head (of the phrase) [accept HP]

[10] The general position of this part of speech in a language's word order typically determines whether it's head-initial or head-final. Adding an "-ing" to this part of speech in English creates a gerund.

ANSWER: verbs

[10] This language displays both head-initial and head-final properties, typically behaving as head-final despite a standard subject-object-verb word order. It's the most widely spoken tonal language, with four standard tones.

ANSWER: Standard Chinese [or Mandarin Chinese; do not accept or prompt on any other variety of Chinese, such as Cantonese] <SocSci, WA>

6. The first movement of this composer's Violin Concerto No. 1 in G minor is a prelude, or Vorspiel [fore-shpeel], that begins with the soloist trading statements with the rest of the orchestra. For 10 points each:

[10] Name this German composer of *Kol Nidrei* and the *Scottish Fantasy*.

ANSWER: Max Bruch [or Max Christian Friedrich Bruch]

[10] Bruch's *Kol Nidrei* includes a solo part for this large string instrument played by Yo-Yo Ma.

ANSWER: cello [or violoncello]

[10] Bruch dedicated his *Scottish Fantasy* to this virtuoso and composer who based his *Zigeunerweisen* [tsee-GOY-nuh-VYE-zen] on Roma music. He wrote the best-known *Carmen Fantasy*, scored for solo violin and orchestra.

ANSWER: Pablo de Sarasate [or Pablo Martín Melitón de Sarasate y Navascués] <Music, EK>

7. These enzymes are required because phosphorylase can only cleave 1,4 [one-four] linkages. For 10 points each:

[10] Give this name for a pair of enzymes, one of which transfers three glucose residues, and one of which cleaves the alpha 1,6 [one-six] linkage of the glucose that remains on the namesake structure.

ANSWER: debranching enzymes [DO NOT REVEAL THIS ANSWER but accept answers containing glycogen]

[10] Debranching enzymes and phosphorylase are responsible for the breakdown of this polysaccharide which is the animal analogue of starch. It is primarily found in the liver and muscles.

ANSWER: glycogen

[10] The synthesis of glycogen begins with phosphorylated glucose molecules reacting with a triphosphate containing this nucleotide, which is a demethylated thymine.

ANSWER: uracil [accept U; accept ribouridine] <Bio, AW>

8. This novel's title character shares his name with a professor who championed the prominent New Humanism movement, which this novel's author attacked for "confining literature to the fight between man's soul and God" or "evil." For 10 points each:

[10] Name this novel whose title character takes pride in his "Solid Citizen" uniform, blesses his son Ted's elopement with Eunice, and has an extramarital affair with Tanis Judique.

ANSWER: Babbitt [by Sinclair Lewis] (the New Humanist professor is Irving Babbitt)

[10] Sinclair Lewis attacked the New Humanists in his address at the Swedish Academy while accepting this international literary award, whose last American winner was Toni Morrison in 1993.

ANSWER: Nobel Prize in Literature

[10] This author, who also feuded with the New Humanists, quipped that "the chief goal of Protestantism" was to prove that "God is a bore." This "Sage of Baltimore" savaged the cultural and intellectual deficiencies of the American South in his "The Sahara of the Bozart" ["boh-zart"].

ANSWER: H.L. Mencken [or Henry Louis Mencken] <AmLit, JC>

9. One piece in this genre of art depicts a princess summoning a giant out of a black void to frighten an emperor's official. For 10 points each:

[10] Name this style of woodcut prints exemplified by *The Fifty-three Stations at Tokaido* series.

ANSWER: ukiyo-e

[10] This ukiyo-e artist was a master of the Bijin-ga style, which depict portraits of "beautiful women." His *Three Beauties of the Present Day* marked a departure from stereotyped standards of beauty exhibited in earlier Bijin-ga works.

ANSWER: Kitagawa Utamaro [accept Kitagawa Ichitaro]

[10] Ukiyo-e originated from this country, home to the *Thirty-six View of Mount Fuji* by Hokusai.

ANSWER: Japan [or Nippon, Nihon] <Painting, PC>

10. Businesses that cooperated with this organization's standards displayed a "Blue Eagle" emblem on their goods. For 10 points each:

[10] Name this New Deal agency led by General Hugh Johnson that established hundreds of business codes in numerous industries.

ANSWER: National Recovery Agency [or NRA]

[10] FDR claimed that the Supreme Court used a "horse-and-buggy definition of interstate commerce" to rule the NIRA unconstitutional in a case in which A.L.A. Schechter violated the codes for selling this "sick" foodstuff.

ANSWER: chicken [accept poultry; prompt on less specific answers like meat]

[10] This promoter of the NRA and mentor of Hugh Johnson was a Wall Street financier who served on the War Industries Board during World War I. He proposed a namesake nuclear weapons-regulation plan after World War II.

ANSWER: Bernard (Mannes) Baruch <AmHist, RY>

11. This god uses the shell of a turtle to fashion the world's first lyre. For 10 points each:

[10] Name this god who steals a herd of cattle belonging to Apollo on the day of his birth.

ANSWER: Mercury [or Hermes]

[10] The rabblouser Battus undergoes this fate when he threatens to reveal the theft of Apollo's cattle. Aglauros is punished in this manner when she objects to her sister Herse's romance with Mercury.

ANSWER: they are transformed into stone [or petrification; or obvious equivalents]

[10] This collection of transformation-related myths by Ovid recounts both the petrification of Aglauros and the theft of the cattle of Apollo.

ANSWER: *The* Metamorphoses <Myth, EK>

12. This author wrote his novel *Kontakion for You Departed* in memory of his deceased wife, which recounts his time managing Diepkloof Reformatory. For 10 points each:

[10] Name this author who wrote about Prem being arrested for using a whites-only library in the “Defiance Campaign” section of his novel *Ah, But Your Land is Beautiful*, inspired by his time in South Africa’s Liberal Party.

ANSWER: Alan **Paton** [Alan Stewart **Paton**]

[10] Paton is best known for this novel, which Maxwell Anderson adapted as the Broadway play *Lost in the Stars*. In it, Stephen Kumalo deals with the consequences of the killing of Arthur Jarvis by his son Absalom.

ANSWER: ***Cry, the Beloved Country***

[10] A *kontakion* is a type of Orthodox liturgical poem developed in this modern-day Middle Eastern country. A contemporary poet born here wrote a collection about his alter-ego *Mihyar*, and took a pen name from Greek myth.

ANSWER: **Syria** [or **Suriyah**] [That poet is Adonis] <OLit, RY>

13. This text describes the monetization of human relations as “commodity fetishism.” For 10 points each:

[10] Identify this multi-volume foundational text of Communist economic philosophy, a collaboration between Karl Marx and Friedrich Engels. It’s titled for a factor of production owned by the bourgeoisie.

ANSWER: *Das **Kapital***, *Kritik der politischen Ökonomie* [or ***Capital***: *A Critique of Political Economy*]

[10] Marx’s *Capital* argues that, under capitalism, workers experience this effect with regards to both their own human nature and the products of their work because they own neither the process of nor the means of production.

ANSWER: **alienation** of work/labor [or ***Entfremdung***; prompt on **estrangement**]

[10] This *praxis*-oriented Marxist philosopher introduced the idea that workers could use the “war of position” to overcome the culture imposed by the dominant ruling class, thus helping eliminate alienation.

ANSWER: Antonio **Gramsci** <Phil, WA>

14. Australian troops were helped by native guides known as “Fuzzy-Wuzzy Angels” during this war’s Battle of Buna Gona. For 10 points each:

[10] Identify this conflict, during which Australia joined forces with the United States in the Battle of the Coral Sea.

ANSWER: **World War II**

[10] During World War II, the largest-ever foreign attack on Australia occurred when the Japanese launched a major air raid on this northern Australian port city.

ANSWER: **Darwin**

[10] This Prime Minister turned Australian troops over to the command of Douglas MacArthur during World War II. He was succeeded by Frank Brooke, who lost the Labour leadership seven days later to Ben Chifley.

ANSWER: John **Curtin** <Brit/ClassHist, WA>

15. This law does not apply to rocket motion as rockets do not have constant mass. For 10 points each:

[10] Identify this law of physics, which states that force equals mass times acceleration.

ANSWER: Newton's second law of motion [accept obvious equivalents]

[10] This kind of machine, which consists of a pulley with masses of different weight hanging from each side, is commonly used to illustrate the principles of basic mechanics such as Newton's second law.

ANSWER: Atwood machine

[10] The more exciting case of the swinging Atwood machine has only been shown to be integrable when the mass ratio is this number. For a regular Atwood machine, if the masses have a ratio of this number, the acceleration the masses experience is one half of g. Give your answer as the ratio of the larger mass to the smaller mass.

ANSWER: 3 <Phys, AW>

16. Charles IV commissioned Matthias of Arras to be this building's first master builder in the 1340s; it wasn't actually completed until 1929. For 10 points each:

[10] Identify this cathedral in Prague, where the relics of St. Wenceslaus are kept in a namesake chapel.

ANSWER: St. Vitus Cathedral [or Metropolitan Cathedral of Saints Vitus, Wenceslaus, and Adalbert]

[10] The stained glass windows of St. Vitus were decorated by Alphonse Mucha [MOO-ka], an artist who worked in this style. Other stained glass artists in this movement included Louis Tiffany.

ANSWER: Art Nouveau

[10] St. Vitus is a cathedral in this medieval architectural style, which inspired much of Antoni Gaudí's work. Other cathedrals in this highly decorative style include Notre Dame de Paris.

ANSWER: Gothic architecture <OArts, WA>

17. Focusing using an object allows one to reach the *savikalpa* form of this state, in which the ego is completely released. For 10 points each:

[10] Give the name for this state of high spiritual consciousness, a trancelike state which is reached through proper practice of *dhyana*, or meditation.

ANSWER: samadhi

[10] Samadhi is the last of this many components of a "path" to salvation in Buddhism.

ANSWER: eight [accept Eightfold Path]

[10] The Eightfold Path is often symbolized by an eight-spoked "wheel" of this common concept from Indian religions, which roughly translates to "proper way of living."

ANSWER: dharma <Rel, WA>

18. One of the early discoverers of this concept was Mikhail Lomonosov, who heated metals in hermetic chambers to see if phlogiston would add to their weight. For 10 points each:

[10] Name this concept that didn't occur to scientists who didn't realize gas had weight. It effectively states that matter is not created or destroyed.

ANSWER: conservation of mass [accept equivalents]

[10] This Frenchman and enemy of phlogiston theory performed various experiments supporting the conservation of mass before he was guillotined.

ANSWER: Antoine Lavoisier

[10] The conservation of mass does not apply when dealing with nuclei; instead, conservation of mass and energy must be considered due to this difference in mass of the separate and bound particles.

ANSWER: mass defect <Chem, AW>

19. Answer the following about French playwrights who adapted Greco-Roman myths, for 10 points each.

[10] In this play by Jean Racine, a father curses his innocent son Hippolytus with death by sea monster due to the machinations of his wife.

ANSWER: Phèdre

[10] This author wrote an adaptation of Sophocles's *Antigone* that analogizes Antigone's dissent against Creon to resistance against Vichy France. This author also wrote a dramatization of the trial of Joan of Arc titled *The Lark*.

ANSWER: Jean Anouilh (ah-NOO-ee) [or Jean Marie Lucien Pierre Anouilh]

[10] In *The Infernal Machine*, Jean Cocteau fuses the tale of Hamlet with the myth of this man, who defeats the Sphinx in a game of riddles after killing his father Laius, but before marrying his mother Jocasta.

ANSWER: Oedipus [accept Oedipus Rex or Oedipus the King] <EuroLit, JC>

20. This conflict came to an end at the Battle of Villalar. For 10 points each:

[10] Name this 1520-21 tax revolt against the foreigner Adrian of Utrecht, the future Pope Adrian VI. It sought to elevate Joanna the Mad to the throne.

ANSWER: Comuneros revolt [or Guerra de las Comunidades; accept synonyms for "revolt" like "uprising," etc.]

[10] The Comuneros revolt took place in this region. This region had earlier united with Aragon in 1469.

ANSWER: Castile [or Castilla]

[10] Joanna the Mad was married to a "Handsome" king of this name. A later ruler of Spain with this name came to power as a result of the War of the Spanish Succession.

ANSWER: Philip [or Felipe; accept Philip I of Castile; Philip V of Spain] <EuroHist, JZ>

IF ADDITIONAL BONUSES ARE NEEDED: Report to the tournament director. Then, read a bonus from the tiebreakers packet that the tournament director determines the team has not yet heard.