

ACF Nationals 2016

Packet by VCU A (Najwa Watson, Akhil Garg, Sarah Angelo, Casey Bindas) and University of Georgia A (Jason Fern, Evan Knox, Kailyn LaPorte, and Julia Tallant)
Tossups

1. According to Pausanias, an ebony statue of this man stood in the temple dedicated to him on Salamis, where he was the tutelary deity. In the *Metamorphoses*, he delivers a speech in which he mocks the “soft Dulichian hand” and the “dastard left hand, smooth for theft” of a man who supposedly did his deeds “all by night.” He mentions the custom of a man accepting a fine paid for the killing of his son or brother while delivering the third of three speeches in Book IX of the *Iliad*. This man exchanged a purple sash for a sword with an opponent who he later drove off while helping Menelaus defend the body of Patroclus. He later used that sword, given by Hector, to commit suicide after slaughtering a herd of sheep he believed to be his former allies. This warrior used his massive seven-layer shield to shelter his half-brother, the archer Teucer. For 10 points, name this Greek hero who was deeply angered that Odysseus was given the armor of Achilles.

ANSWER: Ajax the Greater [or Telamonian Ajax; accept Aias for Ajax; prompt on Ajax; do not accept any other Ajax]

2. The complement system proteins C1q and C3 are involved in the remodeling of these structures. During the maturation of these structures, they fold into a pretzel-like shape. During the formation of these structures, MUSK is activated by agrin. Kiss-and-run fusion was first named by Ceccarelli after being observed in these structures. The suffixes “taxin” and “brevin” are found in the names of two SNARE proteins named for these structures. Antibodies that block a receptor in this structure are the cause of myasthenia gravis. Long-term potentiation is one mechanism for increasing the “plasticity” of this structure. Exocytosis of vesicles here releases neurotransmitters such as acetylcholine into their namesake “clefts.” For 10 points, name these junctions between neurons.

ANSWER: synapses [accept neuromuscular junctions or NMJs]

3. The past, present, and future of this movement was written about in a book by Oxford professor Stephen Ward. An association named for this movement, once led by Frederic James Osborn, hosted annual conferences, the first of which was run by chocolate company founder George Cadbury. This movement was built upon its founder’s principle of the Three Magnets, which was shown in a famous diagram in his book *To-morrow: A Peaceful Path to Real Reform*. Charles Reade was the major Australian advocate of this movement founded by Sir Ebenezer Howard, which proposes the creation of a “town-country” area, as in the communities of Letchfield and Welwyn. This movement advocates a “slumless and smokeless” living environment, where concentric urban areas are self-reliant and are surrounded by “greenbelts.” For 10 points, name this urban planning movement that favored towns with lots of public parks.

ANSWER: Garden City movement

4. In this modern-day country, Derek Aikman and Hubert Elrington were members of the nationalist Patriotic Alliance for Territorial Integrity, formed by newspaper editor Philip Goldson. The GWU was an early labor union in this country, where Antonio Soberanis Gómez led a series of worker protests. This country rejected the 1968 Webster Proposals with its western neighbor. Gwendolyn Lizarraga, known as Madam Liz, was the first woman elected to its legislature. Following a currency devaluation in this modern-day country, the People's United Party was formed by George Price. The remains of Fort Mundy and Cairns are in this country's logging town of Orange Walk, located several miles inland from its largest island, the Ambergris Caye. This country gained independence in 1981, before which it was known as British Honduras. For 10 points, name this nation with its center at Belmopan, located to the east of Guatemala.

ANSWER: Belize [or Belice, or British Honduras before read]

5. In the second act of an opera by this composer, a character sings the song "O rich-soiled land" accompanied only by a solo guitar. An otter chases a fish in the second of four "Ritual Dances" performed by a group of dancers led by Strephon in another opera by this man. He used the structure of Mozart's *Magic Flute* as the model for an opera in which King Fisher enlists Madame Sosostiris in his efforts to forestall the marriage of Jenifer and Mark. Another opera by this man premiered at the reconsecrated Coventry Cathedral a day before Britten's *War Requiem* and depicts its title character being guided by Hermes to Achilles's tent. This composer of *The Midsummer Marriage* and *King Priam* wrote a secular choral work about the aftermath of Herschel Grynszpan's assassination of Ernst vom Rath. For 10 points, name this British composer of the Kristallnacht-inspired oratorio *A Child of Our Time*.

ANSWER: Michael Tippett [or Sir Michael Kemp Tippett]

6. A religious group whose name references this book of the Bible included the pamphleteer William Aspinwall and the preacher Vavasor Powell, and hoped to usher in a "Golden Age" by replacing the Long Parliament. The Greek version of this book contains lyrics stating "Sun and moon, bless the Lord" from its "Song of the Three Children." It contains a vision in which the armies of a prince destroy a temple after "Seventy Weeks of Years." The Fifth Monarchists took their name from one of this book's prophecies, in which a ruler imagines that beasts arise from the sea, and one of them devours the whole world. The story of *Susanna and the Elders* and *Bel and the Dragon* are Apocrypha that are part of this book, in which Shadrach, Meshach and Abednego survive being thrown into a furnace. For 10 points, the reign of Nebuchadnezzar is described in what book, whose title prophet is thrown into a lion's den?

ANSWER: Book of Daniel

7. A phenomenon caused by the existence of this quantity can be explained by viewing the vacuum as a dual superconductor, where magnetic monopoles condense in a fashion analogous to the Cooper pairs in a normal superconductor. Minus one-sixth, one-third, one-half, or zero are the values for a set of “factors” named for this quantity which appear in the matrix elements of interactions which change it. The component of a meson’s wavefunction corresponding to this quantity is a singlet state with a normalization factor of one over the square root of 3. This quantity gives rise to a potential with a short-range term proportional to minus four-thirds times one over distance and a long-range term linearly proportional to distance; thus, this property gives rise to asymptotic freedom and quark confinement. For 10 points, name this property that explains the strong force according to QCD.

ANSWER: color charge [do not accept or prompt on “charge” or “electric charge”]

8. This essayist suggested that society should be studied as a “mega-machine” that produces phantasmagoria by proposing a study of virtual reality that he called “phantomology.” A story by this author opens by describing three kinds of dragons: “the mythical, the chemical and the purely hypothetical,” and follows the Great Cerebron of Umptor, who invents a “probability amplifier” to create a dragon. This author created a protagonist who visits Costa Rica with Professor Tarangtoga during the title event and has his mind transferred to an obese man before he is put in stasis and wakes up in 2038. This author of *Summa Technologicae* wrote about the robotic engineers Trurl and Klapaucius in *The Cyberiad*, while Ijon Tichy appears in his *The Futurological Congress*. Kris Kelvin is on a research station that communicates with a sentient ocean in a novel by, for 10 points, what author of *Solaris*?

ANSWER: Stanislaw Lem

9. After the death of this man’s great love, Louise de Polastron, he reportedly took a vow of chastity, and moved his government to pass the Anti-Sacrilege Act. He allegedly won a bet by tearing down a hunting lodge and rebuilding it into his castle, the Bagatelle, within three months. His prime minister, the Count de Villèle, censored the press and purged several university professors, until this ruler replaced him with the Vicomte de Martignac. This ruler’s son was assassinated while leaving the Paris Opera House by Louis Pierre Louvel—that son was the Duke of Berry. After Dey Husayn struck one of this king’s emissaries with a flyswatter, he retaliated with the conquest of Algiers. This king issued the Four Ordinances at Saint-Cloud together with his prime minister, the Prince de Polignac, which resulted in his government being toppled by the July Revolution. For 10 points, name this French king from 1824 to 1830 who was succeeded by Louis Philippe.

ANSWER: Charles X [or Charles-Philippe, Count of Artois; prompt on Charles]

10. In a comedy by this author, the daughter and niece of Dr. Balliardo employ a harlequin and a valet to convince him that their lovers are alien visitors. Cloris is distressed to find “beneath the verdant leaves a snake” which prompts her to flee “like lightning through the grove” in a poem by this author in which Lisander curses “his birth, his fate, his stars” after finding himself unable to achieve erection. This author of “The Emperor of the Moon” wrote a play in which the revenge-seeking courtesan Angellica Bianca disrupts the budding romance between Hellena and Captain Willmore. This author of “The Disappointment” also created a character from Coromantien who kills his lover Imoinda after being enslaved and taken to Suriname. Women are urged to drop flowers on this author's tomb because “it was she who earned them the right to speak their minds” in Virginia Woolf's “A Room of One's Own.” For 10 points, name this English spy who wrote *The Rover* and *Oroonoko*.

ANSWER: Aphra **Behn**

11. The majority opinion in this case repeatedly cites the decision of Fifth Circuit Judge Walter Gewin in *Burnside v. Byars*, and quotes *Meyer v. Nebraska*, though the dissent argues that the “reasonableness test” of *McReynolds* in *Meyer* was left “dead on the battlefield.” This case, largely funded by groups led by Joseph Rosenfield and Louise Noun, had its holding limited by *Bethel v. Fraser* and *Hazelwood v. Kuhlmeier*. This case established the “substantial disruption test” in the majority opinion of Abe Fortas. The four petitioners in this case, including the non-named petitioner Christopher Eckhart, became a news story again in 2005 when the same institution sued in this case tried to make people cover up anti-abortion T-shirts. For 10 points, name this 1969 Supreme Court case which centered on the wearing of black armbands protesting the Vietnam War by students at a junior high school in Iowa.

ANSWER: **Tinker** v. *Des Moines Independent Community School District*

12. This character trips on a sidewalk crack while contemplating dandelions after buying three cents' worth of Mary Jane candies from Mr. Yacobowski's store. The sight of this character scratching the back of her calf with her toe while washing dishes reminds another character of how his wife did the same thing when they met. This character has a cat thrown at her face by Louis Junior and is tricked into feeding poisoned meat to a dog with pus in its eyes by the “spiritual advisor” Soaphead Church. This character is driven insane after being raped by her father Cholly. Early in the novel, this character drinks several quarts of milk in order to see Shirley Temple's face at the bottom of a cup after being sent to live with the MacTeers. For 10 points, name this character whose desire to be white leads her to fantasize about having the titular symbol of beauty in Toni Morrison's *The Bluest Eye*.

ANSWER: **Pecola Breedlove** [accept either underlined answer]

13. A very densely-packed version of this scene features a zigzagging pink wall surrounding a black-and-white striped cathedral and other Sienese landmarks in its upper left corner. In a painting of this scene found in the Met, two men lean in through a window to warm their hands over a small fire of sticks while five red-and-yellow angels drape a green fabric over the open roof of a decaying castle. In addition to those versions by Bartolo di Fredi and Hieronymous Bosch, this scene was depicted in front of the crumbling Basilica of Maxentius in an unfinished painting intended for the monastery of San Donato a Scopeto by Leonardo da Vinci. Guasparre di Zanobi del Lama commissioned a version of this scene set beneath a makeshift roof atop some ruins in which a central group of figures bear the faces of Piero, Cosimo, and Lorenzo di Medici; that version was painted by Botticelli. For 10 points, name this common Biblical scene involving three holy men bringing gifts to an infant Jesus.

ANSWER: **Adoration of the Magi** [or **Epiphany**; prompt on **Adoration**; do not accept or prompt on "Adoration of the Shepherds"]

14. After being threatened with execution, Adam Sedbar agreed to support this movement, and as a result the site of Jervaulx was later demolished. The Oath of the Honorable Man was taken by members of this movement, including John Bulmer and his wife Margaret Cheyney, who became known as Pretty Peg. After this movement forced the surrender of Pontefract Castle, its leaders drew up the "Commons Petition," also known as its 24 Articles. This movement successfully recruited Thomas Darcy, who funded the design of its flag, a red banner called the "Five Wounds of Christ." The leaders of this movement were nearly granted amnesty until the revolt of Francis Bigod. This revolt, led by the one-eyed Robert Aske, was an organized response to the dissolution of the monasteries under Thomas Cromwell. For 10 points, name this Yorkshire-based rebellion in 1536 against Henry VIII.

ANSWER: **Pilgrimage of Grace**

15. This process can be used to create hexagonal mesoporous molecular sieves from kanemite in a "folded sheet mechanism." A three-dimensional form of this process occurs to form metal-molybdenum-sulfur Chevrel phases. This process increases the critical superconducting temperature of dichalcogenides. Rechargeable lithium ion batteries rely on the fact that this process is reversible and can be electrochemically driven between lithium and titanium disulfide. The compound KC8 exhibits this phenomenon, since it contains potassium atoms sandwiched between graphite layers. Anthracyclines combat cancer by inhibiting topoisomerase II and engaging in this process, which involves unwinding of the substrate and causes inhibition of transcription and replication. For 10 points, name this process which occurs when ethidium bromide inserts itself between base pairs of DNA.

ANSWER: **intercalation** [accept word forms; prompt on "**insertion**"]

16. This author wrote multiple essays stating that the three pillars of the “intellectual tradition in the West” were that all questions had one answer, the answers were knowable, and answers didn’t conflict. Another of this man’s essays praised Machiavelli for juxtaposing Christian morality against Roman ethics, thus inaugurating the “rebellion against monism.” This author of “The Apotheosis of the Romantic Will” used a quote from Immanuel Kant about how “no straight thing was ever made” from a certain substance in his analyses of the history of ideas. Many of this philosopher’s essays were collected in *The Proper Study of Mankind* and *The Crooked Timber of Humanity*, including one about Leo Tolstoy’s conception of history that begins with a fragment by Archilochus to classify thinkers into categories of knowing “one thing” or “many things.” For 10 points, name this author of *The Hedgehog and the Fox*.

ANSWER: Isaiah **Berlin**

17. This composer included “Il tuo sguardo,” “Moriro!!,” and “Tho riveduta in sogno” in his set of six Italian ballads. A suite by this composer includes a piece that begins with a “tri-po-let one [pause] and-uh” rhythm in E-flat major and is titled *Sous le Palmier*. The opening of a piano prelude by this composer instructs the right thumb to play a melody mimicking *rasgueado* chords while the index finger plays an open-string-like pedal point. He collaborated on three operas with his patron Francis Money-Coutts. An F-minor impression of a polo match is the eighth movement in his most famous composition. Many of his works, including *Leyenda*, were transcribed for guitar by Francisco Tárrega. He wrote a twelve-part suite whose A-flat minor opening movement incorporates the *jota* and the *Fandango* and is titled *Evocación*. For 10 points, name this Romantic composer who depicted several Andalusian cities in his immensely difficult *Iberia*.

ANSWER: Isaac **Albéniz** [or Isaac Manuel Francisco **Albéniz** y Pascual]

18. This entity’s magnetic field standoff distance is only 1.6 times its own radius, making it so that it cannot support radiation belts. When a probe was deflected by this object, scientists determined that its density was 5,430 kilograms per cubic meter. Thus, scientists determined that 42 percent of this object is composed of iron and that it is the most iron-rich object in the Solar System. The Arecibo satellite fired a pulse at this object and found that its rotational period was 58.6 days, establishing that it has a 3:2 spin-orbit resonance. While studying this object, Urbain Le Verrier found that a value of 43 arc-seconds per tropical century characterizes the rate of precession of its perihelion. Einstein’s theory of general relativity explained that precession, causing astronomers to reject the idea that the hypothetical planet Vulcan was perturbing its orbit. Mariner 10 has visited, for 10 points, what planet, the closest one to the Sun?

ANSWER: **Mercury**

19. This European was the first intellectual to see the camps after the Sabra and Shatila massacre, which inspired his essay “Four Hours at Shatila.” That experience led this author to write his memoir about his encounter with the Black Panthers, *Prisoner of Love*. In a work by this author, a female thief, who is bound by an executioner, orders a judge to “lick, lick, lick” after the judge condemns her. A dream sequence in that work by him features three photographers representing blood, sperm and tears. The gas-company man becomes a bishop in a play by this author in which a revolution overthrows the Queen, and the people of Irma’s brothel assume various positions of power. Claire puts in ten pills in a cup of tea to serve to Madame in a play by this author in which she and Solange role-play their various rituals. For 10 points, name this French playwright of *The Blacks* and *The Maids*.

ANSWER: Jean **Genet**

20. A political cartoon lampooning this action features one of its proponents, dressed as an elderly woman, putting salve on the head of a petulant child, saying “It may soothe him a little.” A first-hand account of this event was written by a blacksmith known as “Ahllund,” and describes the voyage of a ship called the *Winged Arrow*. The leader of the Chivalry Democrats, William Gwin, was one of the first to campaign for this cause. William Dall was accompanied by the artist Frederick Whymper on an expedition whose findings convinced Charles Sumner to support this cause. The negotiations were formally led by Baron Eduard de Stoeckl during this event, which was completed at Castle Hill, where one side’s flag apocryphally ripped during a ceremony at the city of Sitka. Most critics of this action were later mollified by the discovery of gold in the Klondike Strike. For 10 points, name this transfer of territory from Russia to the United States, which was derided as “Seward’s Folly.”

ANSWER: the **Purchase of Alaska** [or equivalents]

Tiebreaker: The *Records of the Grand Historian* indicate that one of these items came into the possession of Laoshang, a chief of the Hsiung-Nu, after he defeated the king of the Yuezhi in 162 BC—that one was later used to seal a treaty that the Hsiung-nu made with the Han Emperor Yuan in 45 BC. Oda Nobunaga presented three of these items to his vassals as proof of his dominance, after he defeated the Azai and Asakura clans in 1570. In Sanskrit tradition, one of these is known as a kapala or a thopa. The Pechenegs, after they sacked Kiev and killed Sviatoslav I, fashioned one of these items as a tribute to him. Another one of these was created after the Battle of Pliska, using the body of the Emperor Nicephorus I. For 10 points, name this ceremonial spoil of war, created by the Bulgar Khan Krum when he put silver lining inside of a certain body part and drank from it.

ANSWER: **skull cup** [prompt on less specific answers, accept any answer indicating that a chalice or goblet or cup, etc., is being made from a person’s skull or head]

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1. One of the better-known kings of this city, Eshmunazar II, was the son of king Tabnit and lends his name to a sarcophagus now housed at the Louvre. For 10 points each:

[10] Name this ancient port city whose name roughly translates as “fishery.”

ANSWER: Sidon [or Saida or Sayda]

[10] Sidon was a city within this ancient Mediterranean civilization, which also had centers at Byblos and Tyre. In Greek, this region’s name means “land of purple,” in reference to its famed purple dye of the murex snail.

ANSWER: Phoenicians

[10] The conquering and destruction of Phoenicia is described by this Greek historian in his *Bibliotheca Historica* written around 50 BC. He also wrote about the legend of the Assyrian queen Semiramis and, as his surname indicates, he hailed from Sicily.

ANSWER: Diodorus Siculus [Diodorus of Sicily]

2. The speaker of this poem describes bells that “swing I know not where” whose “tongues engrave / Membrane through marrow,” while wandering across a cathedral lawn. For 10 points each:

[10] Name this poem whose speaker enters the “world / to trace the visionary company of love” and eventually finds rejuvenation in “she / Whose sweet mortality stirs latent power.”

ANSWER: “The Broken Tower”

[10] “The Broken Tower” is included in this poet’s collection *White Buildings*. This author of “Chaplinesque” also wrote an epic poem titled *The Bridge*.

ANSWER: Hart Crane [or Harold Hart Crane]

[10] Crane also wrote this series of poems about travels between “adagios of islands.” where the speaker asks “minstrel galleons of Carib fire” to “Bequeath us to no earthly shore.”

ANSWER: Voyages

3. In Chapter Two of this book, “The Afrolantica Awakening,” a group of black people migrate to a newly-formed continent, but it sinks back into the Atlantic Ocean just when their fleet arrives, proving once again that a black paradise will always be a hoax. For 10 points each:

[10] Name this 1992 book by Derrick Bell which also contains the sci-fi parable of “The Space Traders.”

ANSWER: *Faces at the Bottom of the Well: the Permanence of Racism*

[10] Derrick Bell was the first tenured black law professor at this university, where Cornel West taught during his dispute with its president Lawrence Summers.

ANSWER: Harvard University

[10] This other founder of critical race theory teaches at the University of Alabama School of Law, and writes works with his wife Jean Stefancic. He often focuses on Latino themes owing to his Mexican-American heritage.

ANSWER: Richard Delgado

4. In this painting, which was briefly owned by *Candid Camera* producer Allen Funt, an emperor leers over a table of grapes and other fruits at the action unfolding below him. For 10 points each:

[10] Name this 1888 painting depicting the suffocation of a group of party guests under a storm of flower petals.

ANSWER: *The Roses of Heliogabalus*

[10] *The Roses of Heliogabalus*, like *The Coliseum*, *The Baths of Caracalla*, and many other paintings by Lawrence Alma-Tadema, depict the residents of this ancient empire.

ANSWER: Rome [or Roman Empire]

[10] Alma-Tadema's popular painting *Spring*, which depicts the Cerealia festival, is now held by this museum. Its site in the Pacific Palisades was designed as a replica of the Villa of the Papyri in Herculaneum, while its main building was designed by Richard Meier.

ANSWER: the J. Paul Getty Museum [accept the Getty Center or the Getty Villa]

5. Robert Ballard was an exponent of this style, in which notes of a chord are played arpeggiated instead of together. For 10 points each:

[10] Name this technique used in the Baroque era, whose name was originally specific to a style of playing the lute.

ANSWER: *style brisé* [or broken style; prompt on "*style luthé*" or "*lute style*"]

[10] This harpsichord piece, the fifth entry in its composer's *Ordre sixième de clavecin*, follows a rondeau form, and its four parts are played in *style brisé*. Its title objects may be a reference to masks or to feminine virginity.

ANSWER: *The Mysterious Barricades* [or *Les Barricades Mystérieuses*]

[10] *The Mysterious Barricades* was composed by this member of a prominent French composing family who also wrote *The Art of Harpsichord Playing*. Ravel wrote a "tombeau" dedicated to him.

ANSWER: François Couperin [or Couperin le Grand; or Couperin the Great; prompt on Couperin]

6. The Manning formula states that the velocity for this type of flow is proportional to the two-thirds power of radius, and the Froude number specifies whether it is critical or subcritical. For 10 points each:

[10] Name this type of conduit flow which is characterized by a free surface.

ANSWER: open channel flow

[10] The empirical Manning coefficient is a function of this quantity often symbolized epsilon. The various curves on a Moody diagram represent different values of this quantity.

ANSWER: roughness [accept "absolute roughness" or "relative roughness"]

[10] Moody diagrams are used to calculate changes in this quantity in a fluid. Hydraulic head is a measure of this quantity, which is added to kinetic and potential energy terms in the Bernoulli equation.

ANSWER: pressure

7. W.B. Yeats intervened in the riots that broke out during the fourth performance of this play, which features an offstage speaker quoting the works of Patrick Pearse in its second act. For 10 points each:

[10] Name this 1926 play about Jack and Nora Clitheroe, whose final two acts are set during the Easter Rising.

ANSWER: *The Plough and the Stars*

[10] *The Plough and the Stars* was written by this Irish socialist playwright of *Juno and the Paycock*.

ANSWER: Sean O'Casey [or Seán Ó Cathasaigh; or John Casey]

[10] O'Casey's favorite of his own plays was this 1949 effort, in which the supernatural title creature attempts to encourage the inhabitants of Nyadnanave (nee-ahd-nah-nayv) toward personal liberty and clashes with the bigoted Father Domineer.

ANSWER: *Cock-a-Doodle Dandy*

8. This man declared "Nobody has the intention of building a wall," two months before he ordered a wall built around his capital city. For 10 points each:

[10] Name this first secretary of the Socialist Unity Party from 1950 to 1971, who became the de facto leader of his country after the SED set up the Council of State. He also developed the New Economic System in 1963.

ANSWER: Walter [Ernst Paul] Ulbricht

[10] Walter Ulbricht led this former country, in which role he was succeeded by Erich Honecker and Egon Krenz, its last leader in 1989.

ANSWER: East Germany [or Ostdeutschland; or German Democratic Republic; or GDR; or Deutsche Demokratische Republik; or DDR; do not accept or prompt on Germany]

[10] The state youth organization in East Germany was named for this leader of the German Communist Party during the Weimar Republic. After Erich Honecker made a trip to Cuba in 1971, Fidel Castro named an island in honor of this man, who was executed at Buchenwald in 1944.

ANSWER: Ernst Thälmann

9. In this book's entry "Raspberry Waters," the narrator encounters a pair of elderly fishermen discussing their region's rapidly fading past. For 10 points each:

[10] Name this volume of stories. It also includes a story partly named for the character of Hamlet, where the narrator meets a disillusioned man during a party hosted by Alexander.

ANSWER: *A Sportsman's Sketches* [or *The Hunting Sketches* and *Sketches from a Hunter's Album*]

[10] In this story from *A Sportsman's Sketches*, a hunter gets lost and descends a precipice to the title location, where he listens to five boys telling fairy-tales about goblins, water fairies and the like.

ANSWER: Bezhin Lea or Bezhin Meadow

[10] This Russian author's depiction of peasant life in *A Sportsman's Sketches* is often credited with inspiring Alexander II's decision to emancipate the serfs.

ANSWER: Ivan [Sergeyevich] Turgenev

10. This compound and diethyl ether are commonly used to stabilize Grignard reagents. For 10 points each:

[10] Name this polar aprotic solvent commonly used to conjugate to boranes in hydroboration-oxidation reactions.

ANSWER: **THF** [or **tetrahydrofuran**]

[10] Hydroboration-oxidation is a classic example of a reaction which does not obey this rule, which states that when a hydrogen halide is added to an alkene, the halogen attaches to the carbon with the most alkyl substituents.

ANSWER: **Markovnikov's** rule

[10] While hydroboration-oxidation typically just uses BH₃, it can also use this highly sterically hindered borane, which dimerizes to form a structure with two boron atoms and two hydrogen atoms sandwiched between two large bicyclic rings.

ANSWER: **9-BBN** [or **9-borabicyclononane**, or **9-borabicyclo[3,3,1]nonane**]

11. If you've got a fever, then the only prescription is to name these scientists. For 10 points each:

[10] The term for scarlet fever was coined by this 17th Century English physician, nicknamed the "English Hippocrates" and the founder of epidemiology. He wrote *Observations of Medicine* and classified diseases including his namesake chorea, which he called St. Vitus Dance.

ANSWER: Thomas **Sydenham**

[10] This author of *Etiology, Concept and Prophylaxis of Childbed Fever* believed that "invisible cadaver particles" only identifiable by their smell could be avoided if doctors washed their hands in chlorine solution, so he made hand-washing his lifelong personal crusade.

ANSWER: Ignaz Philipp **Semmelweis**

[10] This author blamed unkempt birth attendants for spreading disease in his classic essay "The Contagiousness of Puerperal Fever." This Fireside Poet also wrote *The Autocrat of the Breakfast-Table*.

ANSWER: Oliver Wendell **Holmes**, Sr.

12. This sect's founder wrote *The Four Foundations of Shirk*, which has led to the widespread destruction of Arabic domed tombs and statues. For 10 points each:

[10] Name this fundamentalist Islamic sect largely based in Saudi Arabia. It was founded by and named for an 18th century leader who also rejected the intercession of Muslim saints and Shiite imams.

ANSWER: **Wahhabism**

[10] This much more moderate group is the largest Muslim sect in Oman. Also dominant on Zanzibar, this sect arose from the "quietist" faction of the Kharijites, which allowed them to maintain contact with non-Kharijite Muslims.

ANSWER: **Ibadism** [or **Ibadiyya**]

[10] The Ibadis concept of *kitman*, or telling only half-truths, makes it similar to this Shia doctrine of lying about one's faith in the face of danger. Its name comes from an Arabic word meaning "fear."

ANSWER: **taqiya**

13. At the end of this rebellion, the defending party accelerated the placement of *jitos* in the rebels' lands. For 10 points each:

[10] Name this rebellion led by the forces of the retired emperor Go-Toba against the Hojo clan, and named for the era between 1219 and 1222.

ANSWER: **Jokyu** Disturbance/War/Rebellion [or **Shokyu**]

[10] In response to the Jokyu Disturbance, the Hojo clan established this police force, responsible for preventing further rebellion in the capital and southwestern areas. This system set up two police chiefs known as Kitakata and Minamikata.

ANSWER: **Rokuhara tandai** [or **Rokuhara deputies**]

[10] The Rokuhara tandai lasted until the downfall of this shogunate, named for its Minamoto base, which was replaced by the Ashikaga after Go-Daigo's rebellion.

ANSWER: **Kamakura** shogunate or bakufu

14. Trying to incite a brouhaha, Stanley Rosen once noted that of the two sides of this distinction, one had "conceptual clarity and systematic rigour" while the other was indulgent in "speculative metaphysics or cultural hermeneutics." For 10 points each:

[10] Name this often arbitrary distinction between two 20th century philosophical traditions. One of them is named for Europe, while the other is named for a system of breaking down complex concepts.

ANSWER: **analytic-continental** philosophy distinction [accept answers in either order]

[10] After some analytic philosophers failed to stop the University of Cambridge from awarding an honorary degree to this author of *Limited Inc.* and *The Post Card*, a newspaper printed the legendary headline "Cognitive nihilism hits English city."

ANSWER: Jacques **Derrida** [or Jackie Elie **Derrida**]

[10] John Searle dubiously deputized this Frenchman as an analytic philosopher after he attacked Derrida for using "obscurantisme terroriste" in his prose. He argued that Magritte once made a Platonic pipe in his book *This is Not a Pipe*.

ANSWER: Michel **Foucault** [Paul-Michel **Foucault**]

15. A theorem named for these quantities states that the counterclockwise contour integral around a boundary is equal to two pi i times the sum of them. For 10 points each:

[10] Name these quantities which, for a simple pole at k , can be found by taking the limit as z approaches k of $(z - k)^n$ times $f(z)$.

ANSWER: **residues**

[10] The residue theorem is useful for calculating integrals of functions with this property, which are complex differentiable at all points in their domain, except at their poles.

ANSWER: **meromorphic** [accept word forms; do not accept or prompt on "holomorphic"]

[10] The residue theorem is sometimes named for this French mathematician, who was influential in the creation of complex analysis. With Schwarz, he names an inequality about bounding the magnitude of the inner product.

ANSWER: Augustin-Louis **Cauchy**

16. The followers of Partholon were the first to encounter this group, who later chased off the followers of Nemed. For 10 points each:

[10] Name this group whose leaders included Morc, Conand, and Ciocal. Another of their kings locked his daughter Ethniu in a tower on Tory Island but failed to prevent Cian from seducing her.

ANSWER: **Fomorian**s [or **Fomoir**e; or **Fomhóraigh**]

[10] That Fomorian king, Balor, used his evil eye to kill this leader of the Tuatha De Danaan. He deposed the cruel half-Formorian Bres after the arm he lost in battle with the Fir Bolg was replaced by Dian Cecht.

ANSWER: **Nuada** Silverhand [or **Nuada** Airgetlam]

[10] Balor is finally defeated by this hero of the Tuatha De, who is actually Balor's grandson. This god, whose epithet "Lamhfhada" means "long arm," fathers Cu Chulainn in the Ulster cycle.

ANSWER: **Lugh** mac Ethnenn [or **Lu**]

17. John La Farge was employed to paint murals such as *Christ in Majesty* for the inside of this church. For 10 points each:

[10] Name this church built in the shape of a Greek cross and situated in Copley Square in the Back Bay. Its lantern tower's design was influenced by the Salamanca Cathedral.

ANSWER: **Trinity** Church [or **Trinity** Church in the City of Boston]

[10] Boston's Trinity Church was designed in the namesake "Romanesque" style of this American architect. He also designed Harvard's Sever Hall and worked again with John La Farge on the Crane Memorial Library.

ANSWER: Henry Hobson **Richardson**

[10] H.H. Richardson also worked in this Midwestern city, where he designed the block-like Marshall Field Wholesale Store and the Glessner House. Frank Lloyd Wright's Robie House is on the campus of its namesake university.

ANSWER: **Chicago**, Illinois

18. The 1994 Nobel Prize in Medicine was awarded for the discovery of the role G proteins play during this general process, which can involve "second messengers" such as cyclic AMP. For 10 points each:

[10] Name this general process by which information is passed from the outside of the cell to genes inside the nucleus.

ANSWER: **signal transduction** [do not accept or prompt on "transduction"]

[10] In one of the many biochemical pathways for signal transduction, cyclic AMP activates this protein, which then phosphorylates another protein at a serine or threonine residue in an arginine-arginine-X-serine or threonine-X sequence.

ANSWER: **protein kinase A** [or **PKA**, do not accept or prompt on partial answers]

[10] In the Ras pathway of signal transduction, Ras activates this protein, which starts a phosphorylation cascade which activates other signaling molecules like MEK and ERK.

ANSWER: **RAF1** [or **MAP3K**, or **MAPKKK**, or **MAP kinase kinase kinase**, do not accept or prompt on partial answers]

19. In this novel, Kihika kills the cruel District Officer Robson and is executed after being betrayed by Mugo. For 10 points each:

[10] Name this novel by Ngugi wa Thiong'o, in which Gikonyo rejoins his wife Mumbi after spending six years in detention and finding her pregnant with the child of his rival Karanja.

ANSWER: A **Grain of Wheat**

[10] This collection of essays by Ngugi states "I believing writing in Gikuyu ... is part and parcel of the anti-imperialist struggles of the Kenyan and African peoples," and thus explains why he stopped writing in English.

ANSWER: **Decolonizing the Mind: the Politics of Language in African Literature**

[10] Njoroge seeks to become a missionary in this first novel to be published in English by Ngugi. In this novel, the protagonist's brother Boro leads the Mau-Mau revolt.

ANSWER: **Weep Not, Child**

20. After this person declared "As a woman I can't go to war, and I refuse to send anyone else," she had to seek refuge from angry protesters in a phone booth. For 10 points each:

[10] Identify this pacifist from Montana, the first woman elected to Congress, who voted against US entry into both World Wars.

ANSWER: Jeannette [Pickering] **Rankin**

[10] Rankin supported this progressive 1921 act, named for a couple of senators from Texas and Iowa, which provided federal money to states for maternity and child care. It was administered by the Children's Bureau of the Department of Labor.

ANSWER: **Sheppard-Towner Act** [accept the "**Promotion of the Welfare and Hygiene of Maternity and Infancy Act**"]

[10] The first woman in the U.S. Senate was Rebecca Latimer Felton, a more obscure lady from this state, who served only one day. She replaced this state's senator Thomas Watson, who was the Populist candidate for president in both 1904 and 1908.

ANSWER: **Georgia**