

2019 Wayzata Academic Invitational Tournament

Written by Ashwin Halepet, Amogh Kulkarni, Brian Lin, Bryanna Shao, Cece Shao, and Ben Weiner
Head edited by Carsten Gehring, with Rob Carson, Geoffrey Chen, Tora Husar, Joe Kammann, and Brian Sachs

Packet 2

Tossups

1. During this conflict, Peter Bartholomew failed a trial by fire after claiming to have found the Holy Lance during a siege of Antioch. After a victory at Ascalon in this war, Godfrey of Bouillon [boo-yawn] took on the title Defender of the Holy Sepulchre. Peter the Hermit led a group of peasants and petty knights during this war. Alexios I (*) Komnenos called for help before this war, some of whose belligerents were organized at the Council of Clermont by Pope Urban II, where people allegedly shouted, "God wills it!" For 10 points, name this first effort in a series of wars to retake the Holy Land.

ANSWER: **First Crusade** [prompt on "Crusade" alone; prompt on "Peasants' Crusade" until "peasants" is read; prompt on "People's Crusade"; prompt on "Princes' Crusade"; prompt on "German Crusade"]
<AK> Ed. TH

2. This man designed a German art museum that has a statue of Tupac Shakur near its entrance; this architect of the MARTa [marta] Herford also designed the Weisman Museum of Art in Minneapolis. This man unveiled a controversial design depicting Abilene, Kansas, for the upcoming Dwight Eisenhower memorial. An (*) exploding guitar was the inspiration for this man's design of a Jimi Hendrix museum formerly known as the Experience Music Project. This designer of Prague's Dancing House is famous for his use of curved metal sheets. For 10 points, identify this architect of the Guggenheim Museum in Bilbao and Walt Disney Concert Hall.

ANSWER: Frank (Owen) **Gehry** [or Frank Owen **Goldberg**] <BW> Ed. JK

3. The behavior of these particles are modeled as a quantum ideal gas in the Drude-Sommerfeld model. The filling of a vacancy causes one of these particles to be ejected in the Auger [awh-JURE] effect. Diffraction of these particles was observed after scattering off a nickel target in the (*) Davisson-Germer experiment. This particle annihilates with the positron to produce a pair of gamma rays. These particles are confined to discrete energy levels in the Bohr model. For 10 points, name these elementary particles that orbit the nucleus of an atom.

ANSWER: **electrons** <BW> Ed. GC

4. This show received a twelve-minute epilogue titled "The New Man in Charge." One character on this show visits a psychic who informs her of a couple in Los Angeles looking to adopt a child, and another character kills the owner of a shrimp stand in the outback. Characters on this show named after Enlightenment philosophers include (*) Rousseau, who captures the ex-Iraqi soldier Sayid, and Desmond Hume, who enters the numbers 4, 8, 15, 16, 23, 42 into the Swan Station of the Dharma initiative every 108 minutes. For 10 points, name this show about the survivors of the crash of Oceanic Flight 815.

ANSWER: **Lost** <BW> Ed. JK

5. In this play, a ball once attended by barons and generals is now attended by a post office clerk and station master out of obligation and by a governess who performs card tricks and ventriloquism. A character in this play cries while giving a speech to a hundred-year-old bookcase. A woman in this play ignores telegrams from her lover in Paris and is reminded of her drowned son, (*) Grisha. Axe chops are heard as the servant Firs is locked in an empty house at the end of this play. Lopakhin buys the title estate from Madame Ranevskaya in, for 10 points, what Anton Chekhov play?

ANSWER: *The **Cherry Orchard*** <CS> Ed. JK

6. Depth-first search is typically implemented using one of these data structures. A type of memory named after this data structure is the target of an attack called “smashing.” Data stored in these structures are written in reverse Polish notation. Heap-based memory allocation is typically contrasted with memory allocation based off a structure of this name. An (*) “overflow” of the “call” type of this structure can occur from using the push operation after all its space is consumed. For 10 points, identify these last-in, first-out structures with a name that suggests a pile of objects.

ANSWER: stacks [or call stacks] <AH> Ed. GC

7. A poem by this author describes women as “mystic books, which only we” “must see reveal’d.” This poet of “To His Mistress Going to Bed” describes the innocent “trepidation of the spheres” in a poem that ends, “Thy firmness makes my circle just.” This poet wrote that “every man” is “a piece of the continent” and “no man is an (*) island” in one of his “meditations.” This poet described the title entity of a poem as “slave to fate, chance, kings, and desperate men.” For 10 points, name this metaphysical poet who wrote “A Valediction: Forbidding Mourning” and who included “Death, Be Not Proud” in his *Holy Sonnets*.

ANSWER: John Donne <CS> Ed. JK

8. A person in this painting was replaced with a black man wearing Timberlands in a parody embellished with sperm cells created by Kehinde Wiley. A more realistic work inspired by this painting shows a man slumped astride a mule amidst snow and was painted by Paul (*) Delaroche. Men wheel a cannon up a serpentine path in the background of this painting, which shows a man gesturing upwards while astride a rearing horse. For 10 points, name this Jacques Louis David painting that shows a French leader and his troops traversing the Great St. Bernard Pass.

ANSWER: Napoleon Crossing the Alps [accept Napoleon Leading the Army over the Alps] <BL> Ed. TH

9. The Supreme Court case *Harris v. McRae* called for federal funding for this procedure under the Social Security Act, which was limited by the Hyde Amendment. A Missouri law opposing this procedure was ruled constitutional in the Webster case, and the “undue burden” rule for this procedure originated in a 1992 case in which Bob (*) Casey was a defendant. Justice Blackmun applied the concept of privacy to this action, and in *Gonzales v. Carhart*, a federal ban was upheld on the partial-birth type of this procedure. For 10 points, name this medical procedure whose legality was decided in *Roe v. Wade*.

ANSWER: abortions [prompt on descriptions like “terminating pregnancy”; prompt on “birth control”] <BL> Ed. TH

10. The highest point on this island is a mountain on the southwestern Iveragh [eye-veer-uh] Peninsula; that mountain, Carrauntoohil, is located in an area in which major mountains are known as reeks. This island, called Hibernia by the Romans, is divided into 32 counties, including Tipperary and Wexford. A series of basalt columns on the north coast of this island is called the (*) Giant’s Causeway, which is partially owned by the Crown Trust. The River Shannon bisects this island and meets the Atlantic Ocean at the city of Limerick. For 10 points, name this island- home to two distinct states with capitals at Belfast and Dublin.

ANSWER: Ireland [do not accept or prompt on “Northern Ireland”] <BL> Ed. BS

11. This poet began one poem with “by the road to the contagious hospital,” and another poem by this author describes an object that grows in hell as “a buttercup upon its branching stem.” This author of “Asphodel, That Greeny Flower” wrote an epic about the New Jersey city Paterson. The speaker of one of this man’s poems apologizes for eating food “you were probably saving for breakfast” in a poem about (*) “plums that were in the icebox.” This man also wrote about an object “glazed with rain water” that “so much depends on.” For 10 points, name this poet of “This Is Just to Say” and “The Red Wheelbarrow.”

ANSWER: William Carlos Williams <BS> Ed. JK

12. In Shintoism, these events involve the participants taking three sips from three cups of sake [sah-kay]. In Sikhism, these events are often preceded by a Kurmai and are called Anand Karaj. Seven steps around a fire are crucial to these events in Hinduism. In Judaism, these events take place under a chuppah [hup-uh] and include the (*) breaking of a glass. Catholic doctrine states that engaging in this ritual without the intention of having children can be grounds for an annulment. For 10 points, name this ritual that usually involves the exchanging of rings and vows.

ANSWER: weddings [or marriages] <AH> Ed. JK

13. A leader of this nation created the secret police force called the Tonton Macoute [tone-tone mah-koot], which was named after a local bogeyman. After ordering locals to “cut the heads” and “burn the houses” of European residents in Saint-Domingue, Jean-Jacques Dessalines [dess-ah-leen] became emperor of this country. This country was ruled by (*) Papa Doc and Baby Doc Duvalier [doo-vah-lee-air] for much of the 20th century. This nation’s struggle for independence against the French was begun by the former slave Toussaint Louverture [too-sahn loo-VAIR-toor] . For 10 points, name this Carribean nation that shares the island of Hispaniola with the Dominican Republic.

ANSWER: Republic of Haiti <BL> Ed. TH

14. A class within this phylum contains the corpus allatum, which is responsible for producing juvenile hormone. Members of this phylum contain an open circulatory system filled with hemolymph, which is cleared of waste by Malpighian [mal-PIG-ee-un] tubules. Some members of this phylum have book lungs. Ommatidia [om-uh-TID-ee-uh] make up the (*) compound eyes of many organisms in this phylum, including an extinct member of this phylum called the trilobite. The animal phylum with the greatest number of species is, for 10 points, what phylum of exoskeleton possessing invertebrates that includes crustaceans, insects, and arachnids?

ANSWER: Arthropoda [or arthropods] <AH> Ed. GC

15. This man wrote about the student Santiago meeting Ambrosio while investigating the death of Don Fermin Zavala, Santiago’s father. One of this man’s novels details Cava’s theft of examination papers on the cadet Jaguar’s orders at a corrupt military school. Another novel by this man has chapters that alternate between prose and (*) radio scripts supposedly written by the fictional Pedro Camacho. In that book, the writer Mario grows romantically interested in an older divorcée. For 10 points, name this Peruvian author of *The Time of the Hero* and *Aunt Julia and the Scriptwriter*.

ANSWER: Jorge Mario Pedro Vargas Llosa [do not accept or prompt on partial answers] <BL> Ed. JK

16. This man tried to kill a son he sired with his sister by ordering that all children born on May Day be abandoned at sea according to Thomas Malory. This person was conceived when his father snuck into Tintagel [tin-tah-jul] and slept with Igraine. This man died at the Battle of Camlann after fighting (*) Mordred. This man’s weapon was returned to the Lady of the Lake before he was taken to the Isle of Avalon. This son of Uther Pendragon waged war against Lancelot, the lover of his wife Guinevere. For 10 points, name this king of Britain who sat with his knights at a round table.

ANSWER: King Arthur Pendragon <BS> Ed. TH

17. A concerto for this instrument that ends with a movement described by Donald Tovey as a “polonaise for polar bears” is Jean Sibelius’s only concerto. In an experiment initiated by Gene Weingarten, a virtuoso on this instrument played it incognito outside a D.C. Metro station. Interest in Beethoven’s D major (*) concerto for this instrument was revived by the 19th-century virtuoso Joseph Joachim. Twenty-four caprices for this instrument were written by another 19th-century virtuoso player of it, Niccolò Paganini. Joshua Bell plays, for 10 points, what highest-pitched instrument in a string quartet?

ANSWER: violin <CS> Ed. RC

18. A person with this surname was a former mayor of Birmingham who proposed laborer benefits known as the "Unauthorized Programme" and criticized the aristocracy, saying, "They toil not, neither do they spin." A leader with this surname was attacked in the book *Guilty Men* and was ousted from power following the Norway Debate; that leader with this surname and Édouard Daladier [eh-doh-wah duh-LAH-dee-air] signed the (*) Munich Agreement, allowing Hitler to annex the Sudetenland. For 10 points, identify this surname of a British prime minister who declared "peace for our time" and who was succeeded by Winston Churchill.

ANSWER: Chamberlain [accept Joseph Chamberlain; accept Neville Chamberlain] <AK> Ed. TH

19. This thinker wrote a study of Gustave Flaubert [floh-BEAR] called *The Family Idiot*. After Heidegger, this man referred to the ability of humans to transcend their "facticity" as part of their "situation." In a work, this man uses the example of a waiter in a café who acts unauthentically to exemplify the idea of (*) "bad faith"; in that work, this man contrasts being-in-itself and being-for-itself. This man wrote a play in which a character claims, "Hell is other people." For 10 points, name this existentialist philosopher who wrote *Being and Nothingness* and the play *No Exit*.

ANSWER: Jean-Paul Sartre <BS> Ed. GC

20. The dimer of this molecule is the prototypical system used to study pi-pi stacking since this molecule has a very large quadrupole moment. Fusing two of these molecules together produces naphthalene [NAF-thuh-leen]. This molecule can be hydroxylated or methylated to produce phenol or toluene, respectively. A dream about a (*) snake eating its tail caused August Kekulé to propose that this compound contains alternating double and single bonds. This planar hydrocarbon contains six delocalized pi electrons, making it aromatic. For 10 points, name this cyclic, carcinogenic molecule with a formula of C₆H₆.

ANSWER: benzene [accept C₆H₆ before read] <BW> Ed. GC

Tiebreaker: This man ran the "Bear in the Woods" and the "Prouder, Stronger, Better" advertisements during one election. This man jokingly remarked that he wanted Minnesota for Christmas after Minnesota was the only state to vote against him in one election. This man's press secretary James Brady was permanently disabled after being injured when John (*) Hinckley Jr. tried to assassinate this man. This man was succeeded by Jerry Brown in his post as governor of California before defeating Jimmy Carter in a presidential election. For 10 points, name this California Republican who won the elections of 1980 and 1984.

ANSWER: Ronald Wilson Reagan <AK> Ed. TH

Bonuses

1. This man wrote three books of the Bible and was famed for his wisdom. For 10 points each:

[10] Name this man who appears in First Kings and who succeeded his father, David, as king of Israel.

ANSWER: King **Solomon**

[10] Solomon is perhaps best known for resolving a conflict between two women over possession of one of these things. When one woman agrees to Solomon's proposition that this thing should be split in two between the women, he instead gives this thing to the other woman.

ANSWER: a human **child** [accept **baby** or other clear equivalents; prompt on "**human**" or "**person**"]

[10] Along with the Song of Songs and Proverbs, Solomon is traditionally credited with writing this book, which contains quotes such as "There is nothing new under the sun."

ANSWER: **Ecclesiastes** <AH> Ed. JK

2. This composer's now-lost opera *A Guest of Honor* was inspired by a White House dinner hosted by Theodore Roosevelt for Booker T. Washington. For 10 points each:

[10] Name this composer whose more characteristic works include "The Entertainer," which was used as the theme for the film *The Sting*.

ANSWER: Scott **Joplin**

[10] Joplin was known as the "king" of this genre popular in the early 20th century. It is characterized by its heavy use of syncopated rhythms.

ANSWER: **ragtime** [accept **rags**; accept classical **ragtime** or classic **rag**]

[10] Many of Joplin's works, including "The Entertainer" and the "Maple Leaf Rag," were sold as "rolls" for use with these instruments. They largely disappeared after the rise of the phonograph.

ANSWER: **player piano** [or **pianola**; prompt on "**piano**"] <BS> Ed. RC

3. This band's 360 tour, which was meant to promote their album *No Line on the Horizon*, is the highest grossing concert tour of all time. For 10 points each:

[10] Name this Irish rock band fronted by Bono, with hits like "One" and "Beautiful Day."

ANSWER: **U2**

[10] In 1987, U2 released this album, their fifth, with hits including "With or without You" and "Where the Streets Have No Name." It is widely considered their best work and shares its name with a California national park.

ANSWER: *The Joshua Tree*

[10] U2's follow-up to *The Joshua Tree* was 1988's *Rattle and Hum*, which included a live cover of this 1968 Bob Dylan song, which states that "princes kept the view while women came and went" from the title location. This song was also covered by the Jimi Hendrix Experience.

ANSWER: "**All along the Watchtower**" <BW> Ed. JK

4. The French government attempted to coerce members of this religious group into converting to Catholicism by quartering dragoons in their homes. For 10 points each:

[10] Name this religious group which was granted rights by the Edict of Nantes [nahnt]. These people were French Protestants.

ANSWER: **Huguenots** [prompt on "**French Calvinists**"]

[10] Huguenots in Paris were targeted in this massacre that occurred shortly after the wedding of Margaret of Valois and Henry of Navarre. This massacre may have been masterminded by Catherine de Medici.

ANSWER: **St. Bartholomew's Day** Massacre [prompt on partial answers]

[10] This admiral was one of the principal targets of the St. Bartholomew's Day massacre. This man led the Huguenots' forces during part of the French Wars of Religion, and Catherine de Medici disliked this man's influence over King Charles IX [the ninth].

ANSWER: Admiral Gaspard **de Coligny** [de co-LEEN-ee] <AK> Ed. TH

5. While cellulose is composed of beta-glucose, this molecule is composed of alpha-glucose. For 10 points each:

[10] Name this polymer that serves as long-term energy storage in animals, fungi, and bacteria. It displays a greater degree of branching than amylopectin.

ANSWER: **glycogen**

[10] To raise blood sugar levels, these cells in the pancreatic islets of Langerhans produce glucagon, stimulating the breakdown of glycogen into glucose.

ANSWER: **alpha** cells of the islets of Langerhans

[10] Glycogen and glucose both belong to this general class of organic macromolecules with the general formula $C_n(H_2O)_m$ [C-n-H-two-O-m].

ANSWER: **carbohydrates** [or **sugars**; or monos**accharides**; or dis**accharides**; or oligos**accharides**; or polys**accharides**; or **glycans**] <BW> Ed. GC

6. Answer the following about flowers in poetry, for 10 points each.

[10] This poet wrote a carpe diem poem called "To the Virgins, to Make Much of Time" that implores the reader to "gather ye rose-buds while ye may."

ANSWER: Robert **Herrick**

[10] This poet wrote about "the invisible worm that flies in the night" in "The Sick Rose." He also wrote "A Poison Tree."

ANSWER: William **Blake**

[10] In "I Wandered Lonely as a Cloud," William Wordsworth described a host of these flowers that are "fluttering and dancing in the breeze."

ANSWER: **daffodils** <BS> Ed. JK

7. Ancient philosophy is often divided into eras before and after this philosopher. For 10 points each:

[10] Name this teacher of Plato. He was forced to drink hemlock after being convicted of corrupting the youth of Athens.

ANSWER: **Socrates**

[10] This pre-Socratic philosopher from Miletus legendarily stopped a battle by predicting a solar eclipse. He believed that water was the principal nature of the earth.

ANSWER: **Thales** [thay-leez] of Miletus

[10] In contrast to Thales, this pre-Socratic philosopher believed that fire was the fundamental force of the universe. He stated that no one could step in the same river twice.

ANSWER: **Heraclitus** of Ephesus <AK> Ed. GC

8. This man put forth his doctrine of the "Governance of the Jurist" in a book he wrote while in exile. For 10 points each:

[10] Name this supreme leader who came to power following the 1979 Iranian Revolution.

ANSWER: Ayatollah Sayyid Ruhollah Mūsavi **Khomeini** [prompt on "Ayatollah" alone]

[10] Khomeini returned from exile following the overthrow of Mohammad Reza Pahlavi, who held this title while ruling Iran.

ANSWER: **shah** [accept **shahanshah**; accept Mohammed Reza **Shah**; accept Reza **Shah**]

[10] This incident during the Iranian Revolution prevented any compromise between the shah's government and the revolutionaries. Over 80 religious demonstrators were massacred in Jaleh Square in this massacre.

ANSWER: **Black Friday** [or **Jom'e-ye Siyāh**] <AK> Ed. TH

9. This entity has a temperature of around 2.7 Kelvin. For 10 points each:

[10] Name this entity that fills the universe with nearly uniform intensity. It remains leftover from the formation of the universe and was accidentally discovered in 1964 by Arno Penzias and Robert Wilson.

ANSWER: **cosmic microwave background** radiation [or **CMBR**; prompt on “relic radiation”]

[10] The CMBR provides evidence for this theory regarding the formation of the universe. This theory holds that the universe expanded from a high-density, high-temperature singularity.

ANSWER: **big bang** theory

[10] The big bang theory replaced this older theory, which held that the universe remains at a constant density due to the continuous creation of new matter.

ANSWER: **steady state** theory <BW> Ed. GC

10. The answer to the title question of one of this man’s stories is “six feet.” For 10 points each:

[10] Name this author, who wrote about Pahom’s death in “How Much Land Does a Man Need?” He also wrote *The Kreutzer Sonata*.

ANSWER: Leo **Tolstoy**

[10] In a novel by Tolstoy, Pierre Bezukhov hatches a plan to assassinate this man. G. K. Chesterton wrote a novel titled for this person “of Notting Hill.”

ANSWER: **Napoleon Bonaparte** [accept either underlined answer; accept *The Napoleon of Notting Hill*]

[10] Pierre Bezukhov appears in this Tolstoy novel, which depicts families like the Kuragins and Rostovs during the French invasion of Russia.

ANSWER: **War and Peace** [accept *Voyna i mir*] <BS> Ed. JK

11. In Hindu mythology, Ganesha’s animal of this type was a *gandharva* named Mushika who was cursed and turned into a mouse. For 10 points each:

[10] The term *vahana* often refers to what role played by beings or animals ridden by many Hindu deities?

ANSWER: godly **mount** [or godly **vehicle**; accept answers that describe the being a god rides or travels on]

[10] This king of the birds and eagles is the mount of Vishnu. In one story, Indra lost his thunderbolt in a fight against this deity for the gods’ sacred nectar of life.

ANSWER: **Garuda**

[10] Indra’s own mounts were an elephant and a seven-headed flying animal of this type. The Greek Arion is also this type of animal, being a son of Poseidon and Demeter.

ANSWER: **horse** (Indra’s horse mount is named Uchchaihshravas.) <AH> Ed. TH

12. The epilogue of this novel reveals that the narrative comes from tapes transcribed by Professor Pieixoto [py-iks-OH-to]. For 10 points each:

[10] Name this Margaret Atwood novel narrated by Offred, who plays Scrabble with the Commander and enters an illegal relationship with Nick.

ANSWER: *The **Handmaid’s Tale***

[10] This is the name of the republic in *The Handmaid’s Tale*. It also names the land on which Jacob and Laban last meet in the Book of Genesis.

ANSWER: Republic of **Gilead** [accept Land of **Gilead**]

[10] The Wall around this school is used to hang dissidents against the Republic of Gilead, and its buildings are used as detention centers for the Eyes. In *Absalom, Absalom!*, Quentin Compson is asked “Why do you hate the South?” by his roommate Shreve at this school.

ANSWER: **Harvard** University <CS> Ed. JK

13. This woman's memoir, *Life in Motion*, describes her discovery of ballet at the relatively late age of 13 at a Los Angeles Boys and Girls club. For 10 points each:

[10] Name this first female African American principal ballerina in the history of the American Ballet Theatre.

ANSWER: Misty Danielle **Copeland**

[10] One of Copeland's mentors was this woman, who formerly danced for the Ballet Russe de Monte Carlo and the Dutch National Ballet. In 1955, this woman became the first African American woman to dance for a major ballet company.

ANSWER: Anne Raven **Wilkinson**

[10] Wilkinson congratulated Copeland onstage after she made her principal debut for the American Ballet Theatre in a performance as Odette and Odile in this Tchaikovsky ballet that is also the basis for a Natalie Portman movie.

ANSWER: **Swan Lake** [or **Lebedinoye ózero**] <BS> Ed. TH

14. The background of this painting includes statues of Apollo with a lyre and Minerva holding the aegis [ee-jus]. For 10 points each:

[10] Name this fresco that is also believed to show Strabo and the artist's patron, the duke of Mantua.

ANSWER: *The School of Athens* [accept *Scuola di Atene*]

[10] This artist painted *The School of Athens*, in which he showed himself in blue and red looking at the viewer.

ANSWER: **Raphael** [accept Raffaello **Sanzo** da Urbino]

[10] This Raphael painting depicts Christ presiding over a debate on transubstantiation. Popes Gregory I and Sixtus IV are shown in golden robes in this painting, which is placed opposite of *The School of Athens* in the Stanza della Segnatura in the Vatican.

ANSWER: *The Disputation of the (Holy) Sacrament* [accept *La Disputa del Sacramento*] <BL> Ed. TH

15. Nitrogen fixation is the biological analogue of this industrial process. For 10 points each:

[10] Identify this iron oxide-catalyzed process used to convert dinitrogen and dihydrogen to ammonia. It is named after one or two German chemists.

ANSWER: **Haber**-Bosch process

[10] The mechanism of the Haber process begins with nitrogen undergoing this process, binding itself to the solid surface of the catalyst.

ANSWER: **adsorption** [prompt on "sorption"; do not accept or prompt on "absorption"]

[10] The outdated Birkland-Eyde process of producing nitric acid got replaced by this industrial process, in which ammonia is oxidized to produce nitric acid.

ANSWER: **Ostwald** process <AH> Ed. GC

16. This woman wrote the memoir *Know My Name*, in which she recounts being sexually assaulted and the following trial. For 10 points each:

[10] Name this woman who was sexually assaulted at a frat party at Stanford University. She revealed her real name in 2019, and many people called out the proceedings of her trial, *The People vs. Turner*, for the judge's seemingly lenient sentence.

ANSWER: Chanel **Miller** [prompt on, but do not otherwise reveal, "Emily Doe" or "Chanel Doe"]

[10] Before revealing her name to the public, Miller used a pseudonym with this surname. This surname is commonly paired with "John" or "Jane" and is used as a filler when the true name of an individual is not known.

ANSWER: **Doe** [accept **Emily Doe** or **Chanel Doe**]

[10] An application named "Dear Visitor" allows users to view the location of Miller's assault using this technique. It involves real world environments being enhanced by on screen graphics and should not be confused with virtual reality.

ANSWER: **augmented reality** [prompt on "AR"] <BW> Ed. BS

17. The narrator of this poem notices that “the horses’ heads were toward eternity.” For 10 points each:
[10] Name this poem, in which the narrator describes passing “the fields of gazing grain” and “the setting sun.” The title entity of this poem “knew no haste,” as it “kindly stopped for me.”

ANSWER: **“Because I Could Not Stop for Death”** [accept Poem 479]

[10] The narrator of “Because I Could Not Stop for Death” travels in a carriage that “held but just ourselves and” this concept.

ANSWER: **immortality**

[10] This reclusive “Belle of Amherst” used slant rhyme to write poems such as “Because I Could Not Stop for Death” and “I Heard a Fly Buzz When I Died.” She is known for her unique use of dashes in her poetry.

ANSWER: Emily **Dickinson** <CS> Ed. JK

18. This “City of the Gods” is home to the Pyramid of the Sun and the Pyramid of the Moon. For 10 points each:

[10] Name this UNESCO World Heritage city that is spanned by the Avenue of the Dead. This grid city was abandoned in the seventh century.

ANSWER: **Teotihuacán** [do not accept, prompt on, or otherwise reveal “Tenochtitlán”]

[10] Although not part of this civilization, Teotihuacán was contemporary to this other Mesoamerican civilization, whose own architecture includes Tikal and Chichén Itzá.

ANSWER: **Mayan** Civilization

[10] The architecture of Teotihuacán influenced the design of the Templo Mayor in this capital of the Aztec Empire. This city was built on an island in Lake Texcoco and was crossed by the Processional Way.

ANSWER: Mexica-**Tenochtitlán** <AK> Ed. TH

19. The “Redeemer” faction of Bourbon Democrats attempted to reverse the policies of this period. For 10 points each:

[10] Name this era after the Civil War where the federal government attempted to reintegrate the southern states into the United States. This era was ended by the Compromise of 1877.

ANSWER: **Reconstruction** Era

[10] This government agency headed by Oliver O. Howard was instituted to support former slaves and help them settle on land after the Civil War. The rise of the Ku Klux Klan severely weakened this agency, leading to its dissolution in 1872.

ANSWER: **Freedmen’s Bureau** [or **Bureau of Refugees, Freedmen, and Abandoned Lands**]

[10] The Compromise of 1877 ended the Reconstruction era in exchange for this Republican becoming the nineteenth president.

ANSWER: Rutherford Birchard **Hayes** <AK> Ed. TH

20. Einstein won a Nobel Prize for his work concerning this phenomenon. For 10 points each:

[10] Name this phenomenon in which electrons are emitted from a metal after the metal is struck by photons.

ANSWER: **photoelectric** effect

[10] Physicists at the time were surprised by the fact that the amount of electrons released was independent of this property of light waves. This property represents the maximum displacement of a point on a wave.

ANSWER: **amplitude**

[10] The photoelectric effect was discovered by this scientist, who first observed it in a spark gap.

ANSWER: Heinrich **Hertz** <BW> Ed. GC