Harvard Fall Tournament IX
Edited by Will Holub-Moorman and Raynor Kuang
Questions by Will Holub-Moorman, Raynor Kuang, Sriram Pendyala, Robert Chu, Mark Arildsen, Catherine Wu, Roger Jin, and Vimal Konduri

Round 7

Tossups

1. **The rate of heating of a body through this phenomenon is proportional to the fifth power of the body's radius and inversely proportional to its shear modulus. Because Phobos orbits Mars within the synchronous orbit radius, this phenomenon is causing the gradual decay of Phobos's orbit. For a small mass, this phenomenon is linearly proportional to the mass's width and falls off as the (*)** cube of the mass's distance to a larger body. The Roche limit is the distance when the forces of this phenomenon exceed gravity, causing an object's disintegration, and they are caused by the differing gravitational forces at the near and far sides of a mass. For 10 points, name these forces responsible for the rise and fall of Earth's sea levels.
ANSWER: **tidal** forces [or **tide**s]

2. **Four bronze sculptures known as the Horses of St. Mark were captured by the winning side in this conflict. An attack on the fortress of Zara led to Innocent III excommunicating everyone on one side of this conflict. This effort was diverted in order to aid Alexios IV Angelos, and when its participants ran out of money, they secured transportation from the blind (*)** Venetian doge Enrico Dandolo. For 10 points, name this conflict, in which the main goal of retaking Jerusalem was abandoned in favor of sacking Constantinople instead, which came after a crusade during which Frederick Barbarossa died.
ANSWER: **Fourth Crusade** [prompt on "Crusades"]

3. **This phenomenon is responsible for Zundel and Eigen cations and is central to the diffusion of certain particles through the Grotthuss mechanism. Beta-diketones exhibit an intermolecular form of this phenomenon. Bifluoride exhibits the symmetric type and the strongest known example of this interaction. This phenomenon is responsible for the i-i plus 4 interaction stabilizing (*)** alpha helices in proteins. This interaction is responsible for the relatively high viscosity, surface tension, and boiling point of a compound canonically exhibiting this interaction. For 10 points, name this intermolecular interaction between lone pairs in electronegative elements like fluorine, nitrogen, oxygen and the namesake element.
ANSWER: **hydrogen bond**s [or **h-bond**s, prompt on "intermolecular interaction" before read]

4. **An accountant in this novel complains about having to share a room with a deaf, sick man, claiming that his groans will distract him into making clerical errors. This novel's protagonist describes a certain European city as a "whited sepulcher," and lies to a character's fiancee about his last words, telling her that they were her name. The protagonist of this novel also meets a Russian (*)** trader, who introduces him to a character who writes a pamphlet on civilizing a certain group that ends with the handwritten phrase "Exterminate all the brutes!" For 10 points, name this novella in which Marlow goes to find Kurtz in the Belgian Congo, a work by Joseph Conrad.
ANSWER: ***Heart of Darkness***

5. **This architect included a fish-cleaning table inscribed with a Chinook creation myth in a series of works at Cape Disappointment that constitute a part of this architect's Confluence Project. This architect used mounds of sod to create an outdoor piece at the University of Michigan titled** *Wave Field***. A thin film of water runs over an inverted (*)** black granite cone in a civil rights memorial designed by this architect, whose most famous work consists of a V-shaped granite wall inscribed with over 58,000 names and sits on the National Mall. For 10 points, name this Asian-American female architect and designer of the Vietnam Veterans Memorial.
ANSWER: Maya **Lin**

WARNING: TWO ANSWERS REQUIRED
6. **One of these two countries implemented a set of reforms based on the laws of the other in 645, ending the Asuka Period. One of these countries allied with the kingdom of Silla against the other at a 663 battle at Baekgang. Two attempts by an empire based in one of these countries to invade the other were repulsed by so-called "divine (*)** winds" in 1274 and 1281. One of these countries staged a railway bombing to use as a pretext for invading the northeastern part of the other in the Mukden Incident, and a later conflict between these two countries saw one of them perpetrate the Rape of Nanking on the other. For 10 points, name these two Asian countries with capitals at Beijing and Tokyo.
ANSWER: People's Republic of **China** and **Japan** [prompt on partial answer; accept **Zhong**hua Renmin Gonghe**guo** or **Nippon** for China and Japan, respectively]

7. **A gap-toothed face adorns a banner in the center of a Francisco Goya painting titled after one of these events involving a sardine. Two figures dressed in French Revolution attire stand to the left of a white dog in a depiction of one of these events, which also features two clergymen dressed in red. Another painting of one of these events includes depictions of (*)** St. Stephen and St. Augustine, and is housed in the church of Santo Tome. That work by El Greco centers on the Count of Orgaz. For 10 points, name these events, one of which Gustave Courbet showed at Ornans, which usually directly follow a funeral service.
ANSWER: **burial**s [accept **funeral**s until read; accept clear equivalents and word forms]

8. **One of this author's characters eats a piece of candy every night while praying for the family of a man who comes to eat at her house every night. Another of this author's characters remembers going on a date to the Christian Science Mapparium in Boston, where a married man calls her the title word of the work in which she appears. This author of the recent novel** *The Lowland* **and the collection (*)** *Unaccustomed Earth* wrote about a pair of immigrants who name their child after a Russian author in her first novel, *The Namesake*. For 10 points, name this author who collected stories like "When Mr. Pirzada Came to Dine" and "Sexy" in her *Interpreter of Maladies*.
ANSWER: Jhumpa **Lahiri**

9. **In a 1973 book titled for this process and "effort," Daniel Kahneman argued that arousal and expertise can increase it. The Stroop effect is caused by interference from differing levels of this process, and Donald Broadbent's "filter model" of this process was developed by using dichotic listening tasks. The "selective" form of this process may cause the (*)** "cocktail party effect," and a video in which a gorilla walks through a group of people passing basketballs has been used to demonstrate its "blindness." For 10 points, name this process which is paired with "hyperactivity" in the name of a disorder in which it is at a "deficit," ADHD.
ANSWER: **attention** [accept *Attention and Effort* or **Attention deficit** hyperactivity **disorder**]

10. **One poem by this author describes how Abelard "chose to submit to the law" after Heloise tells him "let me be your whore." The speaker of that poem describes the world as "transparent through your transparency" and describes "a reign of green that knows no decline" in its first stanza. That poem by this author is structured by the orbital period of Venus as well as a circular calendar, is (*)** 584 lines long, and opens with the line "willow of crystal, poplar of water." This author of "Sunstone" included the sections "The Sons of La Malinche" and "The Day of the Dead" in a book about his home country. For 10 points, name this Mexican author of *The Labyrinth of Solitude*.
ANSWER: Octavio **Paz**

11. **The Norse group is a large group of retrograde, irregular satellites of this body. One satellite of this body is best known for its two-tone coloration, and is the largest body in the solar system known not to be in hydrostatic equilibrium. Great White Spots are names given to periodic storms on the surface of this body large enough to be visible from ground-based telescopes. (*)** Rhea and Mimas are moons of this planet. This planet's north pole vortex contains a hexagonal wave pattern observable in the infrared and visible. This planet was visited by the Cassini probe in 2006, and the attached Huygens lander took surface photos of its moon Titan. For 10 points, name this planet located between Jupiter and Uranus.
ANSWER: **Saturn**

12. **In a film set in this state, a character jokes "as long as you don't serve the chicken that way" when served a fish with a head, and later discovers a pair of bifocals in a pond. This state provides the setting for the novel *The Kitchen God's Wife*, while another novel ends with a dentist handcuffed to the body of Marcus in this state. The (*)** Gentlemen's Agreement was a response to segregated schools in this state. In a 2003 gubernatorial recall election, this state's voters ousted Gray Davis. For 10 points, name this setting of Roman Polanski's *Chinatown* and the home of Mount Whitney, the most populous state in the US.
ANSWER: **California**

13. **A passage in this book mentions three goddesses, sometimes called "high-flying cranes," "whose intercession is hoped for," but was excised from this book. One section of this book contains the quote "There is no compulsion in religion" and describes the title seat as extending "over the heavens and the earth." Reading this book in a week involves dividing it into Manzils, and someone who has memorized the entirety of this book is called a (*)** hafiz. The Throne Verse appears in this book's second chapter, which is called "The Cow." For 10 points, name this book divided into suras that was related by the Archangel Gabriel to Mohammed, the most holy text of Islam.
ANSWER: **Qur'an**

14. **This man argued against the practice of numerical majority, favoring his own notion of "concurrent majority." As Secretary of War, this author of *A Disquisition on Government* founded the Bureau of Indian Affairs. In one address, this politician termed slavery a (*)** "positive good," and responded to a Jefferson Day toast by stating, "The Union, next to our liberty, most dear." This man penned an anonymous pamphlet in response to the passage of the Tariff of Abominations titled *The South Carolina Exposition and Protest*. For 10 points, name this vice president to John Quincy Adams and Andrew Jackson.
ANSWER: John C. **Calhoun**

15. **During this conflict, British soldiers destroyed a base near the Kajakai Dam as part of Operation Achilles, and a commander using the pseudonym "Dalton Fury" criticized an operation in this war that occurred at a cave complex in the White Mountains. The Haqqani Network allied with one side in this conflict, which was kicked off by an invasion of the Shahi-Lot Valley in Operation (*)** Anaconda. This war was announced in Operation Enduring Freedom following a faction's unwillingness to hand over Osama bin Laden. For 10 points, name this military action in a Central Asian nation that began following the events of September 11, 2001.
ANSWER: **Afghanistan** War [or **NATO**/**US** invasion of **Afghanistan**]

16. **In the third movement of this composer's tenth symphony, the horn repeats a five-note theme intended to represent one of his female students twelve times. That movement also sees use of a "D, E-flat, C, B" theme that this composer used throughout his career to represent himself. This composer's seventh symphony quotes from Franz Lehar's *The Merry Widow* in a 22-bar ostinato (*)** "invasion theme," and his thirteenth sets poems from Yevgeny Yevtushenko, including the one that gives it its nickname, "Babi Yar." For 10 points, name this Russian composer of *Lady Macbeth of the Mtensk District* and the *Leningrad* Symphony.
ANSWER: Dmitri **Shostakovich**

17. **In the Gompertz model, this quantity is given by the pre-exponential factor *a*. An abbreviation for this quantity is named after an Arizona plateau that was the site of a failed population engineering experiment greenlit by Theodore Roosevelt. In contrast to a species type named after this quantity, (*)** r-strategists minimize this quantity in favor of a higher growth rate. In a logistic population model, the growth rate is equal to a constant times 1 minus the population size over this quantity. A 2001 UN report estimated this quantity for the human population at between 4 and 16 billion. For 10 points, name this maximum population size of a biological species that an environment can sustain indefinitely.
ANSWER: **carrying capacity** [prompt on "K"]

18. **According to one account, after capturing the fortress of Betar, this ruler used his enemy's corpses to create a hedge around his vineyard. That capture occurred during a conflict against forces led by a man with a name meaning "Son of a Star." This ruler ordered the execution of the general Lusius Quietus, and killed a Marousian lion in Libya with the help of a lover of his who drowned in the (*)** Nile a month later. This leader then deified that lover, Antinous. This ruler put down the Bar Kokhba revolt in Judea, and his most famous project ran 73 miles across northern England. For 10 points, name this Roman emperor and successor of Trajan famous for his namesake wall.
ANSWER: **Hadrian**

19. **In Mayan mythology, Hun-Came and Vucub-Came are gods with names that translate as "One-[this phenomenon]" and "Seven-[this phenomenon]." Heracles wrestled a god of this phenomenon as a favor to Alcestes and her husband King Admetos, and Sisyphus tricked the same god into chaining himself. In Korean mythology, the embodiment of this concept is a bureaucrat who serves the god (*)** Yama, while shinigami are Japanese figures embodying this phenomenon. In Abrahamic folklore, Azrael is the "Angel of [this phenomenon]," and Thanatos is the Greek personification of this concept. For 10 points, name this concept personified by the Grim Reaper.
ANSWER: **death** [do not accept or prompt on "underworld" or variations thereof]

20. **When asked how to avoid going to hell, this character responds, "I must keep in good health, and not die" before claiming that the Psalms are not interesting. This character receives a copy of Sir Walter Scott's** *Marmion* **from a character who tears a scrap of paper bearing this character's signature from one of her drawings to confirm that he is her cousin. While at (*)** Gateshead, this character is locked in the "red room" by Mrs. Reed, and later falls in love with her employer at Thornfield Hall before discovering that his insane wife is locked in the attic. For 10 points, name this governess who titles a novel in which she marries Edward Rochester, a creation of Charlotte Bronte.
ANSWER: **Jane** **Eyre** [accept either or both]

21. **One character in this novel carries a set of wood blocks bearing the name of another character in a leather bag around her neck. In this novel, a performance of the play** *The Good Judgment of Madame the Virgin Mary* **is interrupted by a vagabond named Clopin. In the epilogue of this novel, the (*)** skeleton of its title character is depicted as intertwined with his love interest, who loves the archer Phoebus and owns a goat named Djali. The title character of this novel rings bells to show his devotion to a character who stabs a gypsy when she rejects his love. For 10 points, name this novel in which Claude Frollo, Esmerelda, and Quasimodo all end up dying, a work by Victor Hugo.
ANSWER: *The* ***Hunchback of Notre Dame*** [or ***Notre-Dame de Paris***]

Bonuses

1. Otto Rank explored the "myth of the birth" of this figure in one of his best-known works. For 10 points each:
[10] Name this mythological archetype. Joseph Campbell's best-known book is titled for one "with a thousand faces."
ANSWER: the **hero** or **heroes** [do not accept synonyms; accept The ***Myth of the Birth of the Hero*** or The ***Hero With a Thousand Faces***]
[10] In Campbell's monomyth, the hero experiences complete separation from the world in a stage nicknamed for this location, which is where Jonah found himself after being swallowed by a large aquatic mammal.
ANSWER: the **belly of the whale** [accept equivalents]
[10] Another twentieth century thinker to address myth was this French semiotician, who analyzed professional wrestling in his *Mythologies* and unpacked a Balzac short story in the book *S/Z*.
ANSWER: Roland **Barthes** ["bart"]

2. This constant particle stream is responsible for the Auroras when it is deflected by Earth's magnetic field to the poles. For 10 points each:
[10] Name this flow of plasma released from the upper atmosphere of stars.
ANSWER: **solar wind**
[10] Due to an extremely strong stellar wind, these massive stars lose mass at a much higher rate than most stars. Gamma 2 Velorum is one of the few types of this star that can be seen with the naked eye.
ANSWER: **Wolf-Rayet** stars
[10] These occasional massive bursts of solar wind and magnetic fields, rising above the Sun's corona, can cause geomagnetic storms if they reach Earth. Most originate from active regions on the Sun's surface, such as groupings of sunspots associated with frequent flares.
ANSWER: **c**oronal **m**ass **e**jections [do not accept or prompt on "corona" by itself]

3. Photosynthesis! For 10 points each,
[10] This process happens in C4 plants with the enzyme PEP carboxylase. This process involves incorporating the namesake element into the Calvin cycle.
ANSWER: **carbon fixation** [accept word forms]
[10] Most plants, which undergo C3 photosynthesis, use this enzyme for carbon fixation, which is the most common protein on Earth.
ANSWER: **rubisco** [Ribulose-1,5-bisphosphate carboxylase/oxygenase]
[10] Carbon fixation occurs in this organelle, which uses light to convert carbon dioxide to sugar. This organelle is not found in animal cells, and contains membrane-bound thylakoid.
ANSWER: **chloroplast**

4. In one story in this collection, a cardinal's secretary poses as that cardinal while trapped in a farmhouse with Countess Calypso and Miss Malin Nat-og-Dag during a storm. For 10 points each:
[10] Name this collection which opens with the story "The Deluge at Norderney," and also includes the stories "The Old Chevalier" and "Supper at Elsinore."
ANSWER: *Seven Gothic Tales*
[10] This Danish author of *Out of Africa* wrote *Seven Gothic Tales*.
ANSWER: Isak **Dinesen** [or Karen **Blixen**]
[10] Another story in *Seven Gothic Tales* centers on Pellegrina Leoni, an ex-performer of this art form. Literary texts used in this art form are called *libretto*.
ANSWER: **opera** singer

5. The Kitab-i-Aqdas and Book of Certitude are two of the holy texts of this religion. For 10 points each:
[10] Name this religion governed by the Universal House of Justice in Haifa. It was founded by its major prophet from the teachings of the Báb.
ANSWER: **Bahá'i** Faith
[10] A common symbol of Baha'i is a nine-pointed one of these shapes. One of these shapes "of David" symbolizes Judaism.
ANSWER: **star**
[10] Baha'is repeat the "greatest" example of this type of word which translates roughly to "glory" ninety-five times a day in prayer. In Judaism, examples of this type of word include *adoshem* and *tzevaot*.
ANSWER: **names of God** [or **names of Allah**]

6. This god transformed into a snake to retrieve the divine mead of inspiration. For 10 points each:
[10] Name this chief god of the Norse myth system. He has one eye and is advised by the ravens Hunin and Mugin.
ANSWER: **Odin** [accept **Woden**]
[10] Odin hung himself for nine days from the World Tree to understand this somewhat magical writing system.
ANSWER: **rune**s
[10] Odin won two riddle contests by asking this final question, upon which the opponent realized they were facing Odin and surrendered. A general description is acceptable.
ANSWER: what Odin **whispered in Balder**'s ear at Balder's funeral [accept anything involving **saying something** to **Balder**]

7. This man's former Chancellor of the Exchequer, Lord Snowden, called his policies "Bolshevism gone mad." For 10 points each:
[10] Name this UK Prime Minister who served during the beginning of the Great Depression. This man took Britain off of the gold standard after Royal Navy sailors refused to follow orders in the Invergordon Mutiny.
ANSWER: James Ramsay **MacDonald**
[10] MacDonald was the first Prime Minister from this party, from which he was expelled after trying to form a coalition government. Recent politicians from this party include Tony Blair, who led a "New" version of it.
ANSWER: **Labour** Party
[10] MacDonald and Labour were crushed in the 1924 election partly because they refused to prosecute J.R. Campbell, a man of this profession, for his anti-military comments. Other members of this profession have included W.T. Stead and John Peter Zenger.
ANSWER: **journalist**s [accept **newspaper editors**; prompt on "writers"]

8. This phenomenon is known as "destructive" when waves are 180 degrees apart in phase, and "constructive" when waves are in phase. For 10 points each:
[10] Name this phenomenon where two waves superimpose to produce a new wave of greater or lower amplitude.
ANSWER: **interference**
[10] This English polymath was the first to show the wave nature of light by demonstrating its diffraction in his double-slit experiment.
ANSWER: Thomas **Young**
[10] In the Fraunhofer limit of wide-slit diffraction, the intensity of the interference pattern is equal to a prefactor times the square of this function applied to some constants times the sine of the angle. The squeeze theorem can be used to show that its value tends to 1 as its argument tends to zero.
ANSWER: **sinc** function [accept **sine of x over x** or **sine of x divided by x** and variations]

9. The "demarcation problem" is the problem of separating this field from other fields. For 10 points each:
[10] Name this field. in which the discovery of "anomalies" leads to some practitioners advocating a "revolutionary" form of it, according to a 1962 book.
ANSWER: **science**
[10] This early English thinker developed a namesake inductive method of scientific inquiry in a 1620 tract, the *Novum Organum*.
ANSWER: Sir Francis **Bacon** [accept **Baconian** method; do not accept "Roger Bacon"]
[10] This later thinker questioned whether inductive reasoning rested on circular reasoning in his 1748 book *An Enquiry Concerning Human Understanding*.
ANSWER: David **Hume**

10. One character of this profession convinces Joyce Emily to fight for Francisco Franco in the Spanish Civil War, and is later fired for indoctrinating her namesake "set" with fascist ideology. For 10 points each:
[10] Name this profession of the Muriel Spark-created Jean Brodie, who works at the Marcia Blaine School for Girls in Scotland.
ANSWER: school**teacher**
[10] Another militaristic schoolteacher appears at the beginning of this novel, and encourages Paul Baumer and his classmates to enlist for Germany.
ANSWER: *All Quiet on the Western Front* [or *Im Westen nichts Neues*]
[10] This character works as a teacher at the Clifton School in Dalkey, where he has a conversation with the anti-semitic Mr. Deasy in a chapter titled "Nestor." In another appearance, this character is physically abused by the prefect Father Dolan while studying at Clongowes Wood College.
ANSWER: **Stephen** **Dedalus** [accept either or both]

11. This musician's song "Maiden Voyage" makes heavy use of perfect fourths. For 10 points each:
[10] Name this American keyboardist, whose song "Watermelon Man" first appeared on his 1962 album *Takin' Off*, but is better known in its funkier form on this man's 1973 album *Head Hunters*.
ANSWER: Herbie **Hancock**
[10] Hancock played in the "Second Great Quintet" of this American trumpeter, during which time this man released the albums *E.S.P.* and *Nefertiti.* This man's other albums include *Birth of the Cool* and *Seven Steps to Heaven*.
ANSWER: Miles **Davis**
[10] An album by Davis titled for "Sketches" of this country was produced with the Canadian arranger Gil Evans and features a reworking of Joaquin Rodrigo's *Concierto de Aranjuez*. Flamenco is a musical style from the south of this country.
ANSWER: **Spain** [or **España**; accept *Sketches of Spain*]

12. The creation of these bodies was part of the liberal reforms led by Nikolay Milyutin. For 10 points each:
[10] Name these local assemblies created during the reign of Tsar Alexander II. They were disbanded following the October Revolution.
ANSWER: **zemstvo**s
[10] Seventeen years after the creation of the zemstvos, Alexander II was blown up by Nikolai Rysakov, a member of this organization, which pushed for universal suffrage and published "The Worker's Gazette."
ANSWER: **People's Will** [accept **People's Freedom**, accept **Narodnaya Volya**]
[10] Alexander II was a member of this family, as was the final Russian tsar, Nicholas II.
ANSWER: **Romanov**

13. This state variable is a measure of the average kinetic energy of particles. For 10 points each:
[10] Name this state function, which is equal to pressure times molar volume over the gas constant for ideal gases, and can be measured in Celsius.
ANSWER: **temperature** [or **T**]
[10] This other state function is equal to internal energy minus pressure times volume. Its change for a chemical reaction at constant pressure is equal to the heat absorbed or released by the reaction.
ANSWER: **enthalpy** [or **S**]
[10] This principle in classical physics gives energy equal to one-half the Boltzmann's constant times temperature to every degree of freedom of a molecule. This principle explains why monatomic gases have a constant volume molar heat capacity of three-halves times the gas constant.
ANSWER: **equipartition theorem**

14. The RTLMC radio station frequently broadcasted content referring to this ethnic group as "cockroaches," and the *Banyamulenge* is a concentration of this ethnic group in the DRC. For 10 points each:
[10] Name this ethnic group opposed by the *Interahamwe*, and which largely made up the RPF, which was founded by one of its members, Paul Kagame [kuh-GA-may].
ANSWER: **Tutsi**s [accept **Watusi** or **Wahima**]
[10] In 1994, this African nation saw hundreds of thousands of Tutsis slaughtered by a rival ethnic group, the Hutus.
ANSWER: **Rwanda**
[10] A Hutu-perpetrated genocide by the FRODEBU political party against Tutsis was also perpetrated in this other African country in 1994, following the assassination of its president Melchior Ndadaye.
ANSWER: **Burundi**

15. The protagonist of this novel suffers an injury from a mortal shell while distributing macaroni and cheese. For 10 points each:
[10] Name this novel in which that protagonist, an ambulance driver, has an affair with a nurse who later dies giving birth to a stillborn child.
ANSWER: *A **Farewell to Arms***
[10] This author of *A Farewell to Arms* also penned *The Old Man and the Sea* and *The Sun Also Rises*.
ANSWER: Ernest **Hemingway**
[10] This Jewish character in *The Sun Also Rises* has an affair with Lady Brett Ashley and was a champion boxer while in college at Princeton, experience he employs while beating up the bullfighter Pedro Romero.
ANSWER: **Robert Cohn** [accept either or both]

16. This character pretends to know how to prepare an "Ormitha Macarounada," and earlier chokes another character while screaming "THE KETTLE, YOU FOOL!" For 10 points each:
[10] Name this newspaper-reading hit-man who points a gun at his companion Gus at the end of a one-act play.
ANSWER: **Ben**
[10] Ben and Gus appear in *The Dumb Waiter*, a work by this British playwright of *Betrayal* and *The Homecoming*.
ANSWER: Harold **Pinter**
[10] This Samuel Beckett play, like *The Dumb Waiter*, mostly consists of aimless conversation between its two leads, Vladimir and Estragon. Spoiler alert: its title figure never appears.
ANSWER: ***Waiting for Godot*** [or ***En attendant Godot***]

17. Henry Clay orchestrated the resignation of the entirety of this man's cabinet, except for Daniel Webster, but despite being expelled from the Whig party, this man refused to resign. For 10 points each:
[10] Name this successor of William Henry Harrison who was nicknamed "His Accidency," as the Constitution was not entirely clear that he should have become President in his own right.
ANSWER: John **Tyler**
[10] After he lost his cabinet and party, Tyler dedicated himself to achieving this policy objective. After the election of the expansionist James K. Polk, Tyler managed to get authorization for this measure, which added a pro-slavery state in 1845.
ANSWER: **annexation of Texas** [accept word forms]
[10] The annexation of Texas was supported in a pamphlet published by Robert J. Walker which argued that Texas could diffuse slaves southward in an argument given this nickname. This two-word phrase also names a free speech theory articulated by the Supreme Court in *Whitney v. US*, and a solution for unemployment that led to the Homestead Act of 1862.
ANSWER: **safety valve**

18. Wisconsin alone has five cities of this name. For 10 points each:
[10] Name name shared by the county seat of Robertson County, Tennessee, the location of Missouri State University, and a state capital located in Sangamon County.
ANSWER: **Springfield**
[10] This river flows through Springfield, Massachusetts, on its way to Long Island Sound. It also flows through Hartford, which is in the state that gives it its name.
ANSWER: **Connecticut** River
[10] Massachusetts' southernmost point lies west-southwest of Siasconset on this island, which is separated from Cape Cod and Martha's Vineyard by a namesake sound.
ANSWER: **Nantucket** Island

19. A dove rests on a ladder, which sits to the right of a saw, in the background of this painting. For 10 points each:
[10] Name this controversial John Everett Millais painting which depicts Joseph making a door and Mary kissing the cheek of a young Jesus, who has a wound in his palm.
ANSWER: *Christ in the House of His Parents*
[10] Along with William Holman Hunt and Dante Gabriel Rossetti, Millais was a member of this English art and poetry movement which rejected the influence of a certain Renaissance artist.
ANSWER: **Pre-Raphaelite Brotherhood** [or **PRB**]
[10] Millais also produced a famous depiction of this Shakespeare character and potential wife of Hamlet clutching flowers and singing before she drowns in a Danish river near the castle Elsinore.
ANSWER: **Ophelia**

20. This composer's *Missa in tempore belli*, or *Mass in the Time of War*, is sometimes nicknamed the *Paukenmesse*, or *Kettledrum Mass*, for its inclusion of timpani. For 10 points each:
[10] Name this composer, whose other large-scale works for chorus and orchestra include the oratorios *The Creation* and *The Seasons*.
ANSWER: Franz Josef **Haydn**
[10] Haydn composed 106 of these works, including a set of twelve nicknamed for London. Other works in this genre include Beethoven's *Eroica* and *Choral* ones.
ANSWER: **symphony** [or **symphonies**]
[10] Haydn also wrote a setting of this thirteenth-century hymn dedicated to Mary. Giovanni Pergolesi wrote a notable setting of this hymn which was popular in Haydn's time.
ANSWER: ***Stabat Mater*** *dolorosa*