1. The second track on this album begins with the unaccompanied solo double bass playing three-note "LONG, short, LONG" patterns. The last track on this album begins with a saxophone melody over pounding timpani. Near the start of this album, the double bass introduces the four-note motif F A-flat, F B-flat; towards the end of its first track, the band leader uses that motif to chant the name of this album. Elvin Jones plays the drum solo that opens this album's third track, "Pursuance", as well as the gong strike at the start of its first track, "Acknowledgement". Inspired by its composer's search for the title spiritual concept, this 1965 album was released five years after *Giant Steps*. For 10 points, name this best-selling jazz album of John Coltrane.
ANSWER: *A **Love Supreme*** <Kim>

2. A poem by this man opens with a French epigraph comparing countries to pages of a book, all of which he has found to be equally bad. This poet described a man recalling "his young barbarians all at play" as "the arena swims around him" in an ekphrasis on *The Dying Gaul*. A poem by this man declares that the title event will occur because "the sword outwears its sheath" and "the heart must pause to breathe". He dedicated two cantos "To Ianthe" of a four-canto poem whose title indicates that its autobiographical hero is not yet a knight. This poet of "So we'll go no more a-roving" viciously attacked Bob Southey in the opening of his unfinished satiric epic about an easily-seduced Spaniard. For 10 points, name this English poet of *Childe Harold's Pilgrimage* and *Don Juan* (JOO-in).
ANSWER: Lord **Byron** [or George Gordon **Byron**] <Yu>

3. In Proto-Germanic, this part of speech includes a small, irregular subclass named for two inflections of this part of speech. In Proto-Indo-European, the traditional reconstruction of this part of speech is described by the Cowgill–Rix system. In Proto-Germanic, this part of speech is classified based on whether it inflects via ablaut or via a dental suffix. In Germanic languages, this part of speech is satellite-framed, possesses strong and weak forms, and, if it has zero valence, must take a dummy subject. The copula is otherwise known as the "linking" form of this part of speech, which can be conjugated to express mood, aspect, or tense. For 10 points, name this part of speech that conveys action.
ANSWER: **verb** <Kim>

4. During a period before this war called *ha-hamtana* (hah-hom-tah-NAH), a group of women called the "Merry Wives of Windsor" protested outside Labor Party headquarters. One side in this war demanded that U Thant (oo-taunt) remove UN peacekeepers in order to blockade the Straits of Tiran from Sharm el Sheikh (shake). Prior to this war, Prime Minister Levi Eshkol called his country's first national unity government, allowing Moshe Dayan (mo-SHEH die-YAWN) to serve as Minister of Defense. This war began with a preemptive strike which crippled the air power of Egypt and Syria, leading to the capture of the Golan Heights, the West Bank and the Sinai. For 10 points, name this 1967 war in which Israel defeated an Arab coalition.
ANSWER: **Six-Day** War [or **Third Arab-Israeli** War] <Raje>

5. This process unusually results in Fbw7-mediated translocation of c-Myc to the nucleolus. A pathway analogous to this process is initiated by NEDD8. This process is performed by the p53-binding mouse double minute 2 homolog, and by the SCF complex. Separase activity is disinhibited upon binding of Cdc20 to another RING-finger domain complex performing this process called the APC or cyclosome, which directs securin to a certain 26S structure. In this process, E3 ligase attaches the glycine 76 of a namesake protein to a lysine residue on a condemned protein. For 10 points, name this process in which proteins are targeted for degradation in the proteasome by a namesake omnipresent protein.
ANSWER: **ubiquitination** [or **ubiquitylation**; or **ubiquitin** pathway; or word forms; or obvious equivalents, such as **adding ubiquitin** to a protein] <Smart>

6. While on his way to this city, a man has his belt taken by Agabus, who binds himself with it and warns the other man he will suffer that fate. A soldier in this city tells a man he has arrested "I had to pay a lot of money for my citizenship" and initially confuses his prisoner for an Egyptian terrorist. In this city, a man says "it's only nine in the morning" to defend others from accusations of drunkenness. After being arrested here, Paul is placed on trial in Caesarea (SEE-zah-REE-ah) by Roman governors Felix and Festus. The calling of Matthias occurred in this city's "Upper Room", which is also where people began to first speak in tongues. The first Day of Pentecost occurred in this city. For 10 points, the early chapters of the book of Acts are set in what city in the aftermath of Jesus's resurrection?
ANSWER: **Jerusalem** [or **Yerushalayim**] <Cheyne>

7. A common chemographic projection in petrology involves combining the ACF and AKF diagrams with a ternary diagram for aluminum oxide, iron oxide, and this element's oxide. The komatiite (koh-MAH-tee-ite) igneous suite is characterized by extremely high levels of this element, for which this element is easily the third most abundant by weight after silicon and oxygen. The solid solution series of forsterite, which is this element's silicate, to fayalite, which is iron silicate, is what composes olivine, a major component of mafic and ultramafic rocks. An anhydrous carbonate mineral often formed by the replacement of calcium with this element is dolomite. For 10 points, what alkaline earth metal contributes to the hardness of water because it is a two-plus cation, like calcium?
ANSWER: **magnesium** [or **Mg**] <Voight>

8. A character in this novel remarks that "a man who is born falls into a dream like a man who falls into the sea", noting that inexperienced people drown because they try to climb out of the water into the air. A character in this novel describes waking up after sleeping for as little as one second on a riverbank while escaping from a jail where he had been asked to repair a clock. This novel's protagonist is betrayed by The Nazarene, leading to the death of Dain Waris. This novel's title character is sent by Mr. Stein to replace Cornelius working in Patusan, where he is called "tuan" and marries a girl called Jewel. This novel's title character abandons the apparently sinking *Patna* while serving as its mate. For 10 points, name this novel narrated by Marlow and written by Joseph Conrad.
ANSWER: ___Lord Jim___ <Nutter>

9. This man owned Artemisia Gentileschi's *Self-Portrait as the Allegory of Painting*, and employed Gentileschi's father Orazio late in the artist's life. A Lorenzo Lotto painting of a goldsmith may have inspired a painting that shows three copies of this man, which Bernini used as a basis for a now-destroyed bust of him. A painting of this man's wife also shows Jeffrey Hudson, a dwarf. Endymion Porter tends to this man's horse while he holds a baton in a painting of him *at the Hunt.* In another equestrian portrait of this man, he appears riding under a triumphal arch while a shield depicting the Stuart coat of arms sits at the bottom-left. For 10 points, name this English king, the subject of many portraits by Anthony van Dyck.
ANSWER: __Charles I__ [prompt on Charles] <Golimlim>

10. An arrow stuck in this man's face was treated with honey by the royal physician John Bradmore, but still left a permanent scar. Henry Scrope and Richard, Earl of Cambridge, planned the Southampton Plot against this ruler to replace him with Edmund Mortimer. Although Holy Roman Emperor Sigismund acknowledged this ruler's claim to the French crown in the Treaty of Canterbury, it was the Treaty of Troyes (twah) signed with Charles VI of France that ensured his claim through a marriage to Catherine of Valois (val-WAH). At his most famous battle, this king fought Charles d'Albret (doll-BRAY), suffered an attack on his baggage train, and was aided by longbowmen firing up a muddy hill. For 10 points, identify this King of England who won the Battle of Agincourt.
ANSWER: __Henry V__ [prompt on Henry] <Pari>

11. Humans have a short lifespan because instead of marrying the princess of rocks, Ninigi chose instead to marry the princess of these objects, Konohana. The son of Ptah and Bast, Maahes, was often depicted with a blue one of these objects on his head. Clytie (CLY-tee-ee) sat and pined after Helios so much that she was turned into one of them. Mars was conceived parthenogenetically when Juno touched one of these objects. A handsome youth was turned into one of these objects after staring into a pool at his own reflection. After he was killed by a discus hurled the jealous Zephyrus, the blood of another handsome youth became one of these objects. For 10 points, name this part of a plant that Narcissus and Hyacinthus became.
ANSWER: __flower__s [or specific types of flowers, such as __cherry blossom__s, __sakura__, __lotus__, __turnsole__, __heliotrope__; or __narcissus__ or __hyacinth__ until they are read] <Nagari>

12. After stealing a necklace from a statue of one of these people, Theodosius I's niece Serena was haunted by bad dreams. These people were responsible for making a type of flour called *mola salsa*. The Tarpeian Rock is named for one of these people who traitorously allowed the army of Titus Tatius to enter Rome. According to Plutarch, these people were punished by being sealed in a chamber near the Colline Gate with only limited food and water. The *pontifex maximus* appointed children aged six through ten to become these people for thirty years, during which they guarded the Palladium. By marrying Elagabalus, one of these people controversially violated their vow of chastity. For 10 points, name these priestesses who watched over a sacred fire.
ANSWER: **Vestal Virgin**s [or **Vestal**s; prompt on virgins or women] <Golimlim>

13. Naval architecture uses a variant of this procedure sometimes known as the 1–3–3–1 rule. G. F. Kuncir (koon-CHEER) proposed the adaptive version of this algorithm, which subdivides the interval of interest repeatedly until an error threshold is not exceeded. The error bound for this algorithm is less than a certain value divided by 2,880, itself multiplied by f-of-x, where x is an input between two points. This method, which corresponds to Newton–Cotes quadrature using three points, involves taking two points a and b, summing them, dividing by six, and multiplying that result by f-of-a plus f-of-b and four times f of the quantity a-plus-b over two. Parabolas are used in, for 10 points, what method of numerical integration that is usually more accurate than the trapezoid rule?
ANSWER: **Simpson**'s method [or **Simpson**'s rule] <Jose>

14. This author referred to assassin Charles Guiteau (gee-TOH) as "a dry tree in which worms have nested" in his account of Guiteau's trial. Some of his poems became a song, which, as arranged by Pete Seeger, was a hit for the folk band The Sandpipers. That song begins by referencing this poet's lines about being "a sincere man from where the palm grows". In an essay dismissing racial hatred, this man proclaimed a "new America… from the Rio Bravo to the Straits of Magellan". This man wrote the essay "Our America" for a Mexican newspaper and produced the collection *Versos Sencillos*. He was killed fighting the Spanish at the Battle of Dos Ríos. For 10 points, name this author of the poem that became "Guantanamera", a Cuban patriotic song.
ANSWER: José **Martí** [or José Julián **Martí** Pérez] <Weiner>

15. The final portion of an essay by this philosopher claims that not even a valid proof of the existence of god could save mankind from itself. A book by this man claims that new recruits are more often afraid of fear than of death. This philosopher claimed that the responsibility for all of mankind is the source of sadness in an essay that rejects deterministic excuses because of the statement that "existence precedes essence". A text by this man analyzes the moment when one gazes at a mannequin and believes it to be real in its section "The Look". This author of "Existentialism is a Humanism" wrote about searching for his friend Pierre in a cafe in a book that discusses "bad faith". For 10 points, name this writer of *Being and Nothingness*.
ANSWER: Jean-Paul **Sartre** <Droge>

16. This author described an actor who disguises himself as an old black man to pay a debt to Major Talbot. He also wrote about the homeless man Soapy, who tries to get arrested so he can spend the winter indoors. This author of "The Duplicity of Hargraves" and "The Cop and the Anthem" created the artist Behrman, who paints the title object while Johnsy is bedridden with pneumonia. In another of this author's stories, Bill and Sam's plans are thwarted after Ebenezer Dorset demands payment in exchange for taking back his kidnapped son. For 10 points, name this author of "The Last Leaf" and "The Ransom of Red Chief" whose collection *The Four Million* also includes "The Gift of the Magi".
ANSWER: **O. Henry** [or William Sydney **Porter**] <Golimlim>

17. A composer from this modern-day country wrote a polyphonic choral piece that sets every other line as a monophonic chant, despite being scored for one four-part chorus and one five-part chorus. Another composer from this country wrote a polyphonic mass that nevertheless sets the Gloria and Credo largely in homophonic texture. That mass is scored for six voices, but ends with a seven-voice reprisal of the Agnus Dei. A composer from this country wrote a setting of the Miserere that was illegal to transcribe until a teenage Mozart did it from memory. It is said that a composer from this country saved polyphony by writing the *Pope Marcellus Mass*. For 10 points, name this country home to Gregorio Allegri and Giovanni Pierluigi da Palestrina.
ANSWER: **Italy** [or **Italia**; or **Italian Republic**; or **Repubblica Italiana**] <Kim>

18. This country is home to the world's only active natro·carbonatite volcano, the "Mountain of God" or Ol Doinyo Lengai, which is found to the south of its Lake Natron. Another volcano in this country is the scientific namesake of a baboon-like monkey genus, the kipunji. This country's Mbeya Region hosts Mount Rungwe, and a caldera from a former volcano here comprises the Ngorongoro Conservation Area, which contains Olduvai Gorge. The Kibo, Mawenzi, and Shira volcanic cones adorn another mountain in this country, Africa's highest, which is found near its border with Kenya. For 10 points, name this home of Mount Kilimanjaro.
ANSWER: **Tanzania** [United Republic of **Tanzania**; or Jamhuri ya Muungano wa **Tanzania**] <Weiner>

19. In free space, examples of these things, which are not beams, take an Hermite–Gaussian (air-MEET GOW-see-in) form and are abbreviated TEM. For a Gaussian beam, a measure of how far out the beam goes before the intensity drops by a factor of e-squared is this term's "field diameter". Two indices are used to define the "guided" examples of these things, abbreviated LP, which are a common object of study in the context of optical fibers. Optical fibers can be divided into those that have one of these things and those that have multiple. For a system of masses, motions in which every mass moves with the same frequency is an example of these things, which occur at integer multiples of the fundamental frequency. For 10 points, name these things that are prefixed by "normal" to indicate special motions in a coupled oscillatory system.
ANSWER: **mode**s <Voight>

20. A writer with this surname wrote about a black woman who foregoes marriage and procreation so that there are less people for whites to abuse in her play *Rachel*. While giving a speech, a member of this family won a debate against an angry audience member in Amesbury. A member of this family responded to an attack with the "Letters to Caroline Beecher", while another member of this family published the tract "Appeal to the Christian Women of the South". Those two members of this family worked on a book subtitled "Testimony of a Thousand Witnesses". That book, *American Slavery as It Is*, was co-written by the husband of a member of this family, Theodore Weld. For 10 points, give this surname of Sarah and Angelina, two sisters who took up the cause of abolitionism.
ANSWER: **Grimke** <Droge>

21. A servant in this location shoos away beggars with the excuse that she needs to eat the scraps herself, and fondly remembers a now-deceased man who used to steal glances up her skirt. In this location, a character is infuriated when a photograph of the man she is interested in is stolen from under her pillow by a hunchback. Troubling news arrives to this location about a local girl out of wedlock who is about to be killed for infanticide. The tyrannical matriarch of this location demands that her daughters observe an eight-year mourning period after the death of her husband, which leads to trouble when two of them have their eyes on Pepe el Romano. For 10 points, name this residence that titles a play by Federico García Lorca.
ANSWER: The **House** of Bernarda **Alba** <Droge>

1. The melody of "For He's a Jolly Good Fellow" comes from a folk song based on a false rumor about this man's death. For 10 points each:
[10] Name this British commander who won a costly victory at the Battle of Malplaquet (mahl-pla-KAY). He left Britain after political strife delayed the construction of Blenheim (BLEN-um) Palace, which was intended as a gift for him.
ANSWER: Duke of **Marlborough** [or John **Churchill**, 1st Duke of Marlborough]
[10] The Duke of Marlborough partnered with Eugene of Savoy during their many victories during this war, which was ended by the Treaty of Utrecht.
ANSWER: War of the **Spanish Succession**
[10] Marlborough's victory at Ramillies (rah-mee-YEE) coincided with Eugene of Savoy's victory at this city, which was also the base of the House of Savoy.
ANSWER: **Turin** [or **Torino**] <Golimlim>

2. During the festival of Compitalia, honey-cake offerings were made to these gods at crossroads. For 10 points each:
[10] Name these Roman guardian deities who presided over areas beyond just the household, distinguishing them from the extremely-similar *penates.*
ANSWER: **lar**es [or **las**es]
[10] The Romans may have cribbed the *lares* from this other ancient Italian peoples, who provided Rome with its tyrannous Tarquin dynasty.
ANSWER: **Etruscan**s [or **Rasenna**]
[10] This only non-tyrannous Etruscan king, Rome's sixth, erected temples to Fortuna and Diana, and established the Compitalia Festival.
ANSWER: **Servius** Tullius <Cheyne>

3. Eight paintings in this series are arranged along the walls of two oval-shaped rooms with direct diffused lighting at the Musée de l'Orangerie. For 10 points each:
[10] Identify this series of 250 oil paintings, whose characteristic blurriness may owe to the artist's cataracts as he worked in his garden in Giverny (jee-vair-NEE).
ANSWER: *Water Lilies* [or *Nympheas*]
[10] This French artist, whose *Impression, Sunrise* gave rise to the name Impressionism, devoted the last thirty years of his life to painting water lilies.
ANSWER: Claude **Monet** [or Oscar-Claude **Monet**]
[10] At the first Impressionist exhibit in 1874, Monet displayed a painting in which his wife Camille and their son Jean frolic in a field of these bright red flowers near the village of Argenteuil (ar-john-TUH-ee).
ANSWER: **poppies** [or Wild *Poppies*, near Argenteuil] <White>

4. In this poem, Patience claims that "God doth not need either man's work or his own gifts", instead stating that those who serve him best are those who best "bear his mild yoke". For 10 points each:
[10] Name this poem that ends with the line, "They also serve who only stand and wait".
ANSWER: "**Sonnet 19**" [or "**When I consider how my light is spent**"; or "**On His Blindness**"]
[10] This English poet wrote "Sonnet 19" after going completely blind. He also wrote *Paradise Lost*.
ANSWER: John **Milton**
[10] The first stanza of Milton's "Lycidas" justifies his writing of the poem by claiming that Lycidas "must not float upon his watery bier… without the meed" of a "melodious" one of these things.
ANSWER: **tear**s <Droge>

5. Di·methoxy·trityl is commonly employed as a protecting group in the solid-state synthesis of these compounds. For 10 points each:
[10] Name these compounds often synthesized from nucleoside phosphor·amidites. These compounds are used in PCR as DNA primers.
ANSWER: **oligonucleotide**s [or **polynucleotide**s; prompt on <u>DNA</u>, <u>RNA</u>, or <u>nucleic acids</u>]
[10] The beads used as a support in solid-state oligonucleotide synthesis are often made of this polymer of vinyl·benzene. Because it is the basis for Styrofoam, this polymer is often found in disposable coffee cups and packing peanuts.
ANSWER: **polystyrene** [prompt on <u>poly·vinyl·benzene</u>]
[10] This technique is used for the final-stage purification of oligonucleotides. This technique is frequently coupled with mass spec and involves passing a pressurized solvent containing the analyte over a stationary phase.
ANSWER: **HPLC** [or **high-performance liquid chromatography**; or **high-pressure liquid chromatography**; prompt on liquid <u>chromatography</u>; do not accept "gas chromatography"] <MacAulay>

6. This event is often credited with ending open-range ranching. For 10 points each:
[10] Identify this nickname given to the brutal winter of 1886 and 1887 which saw more than half a million cattle die on the Northern Plains.
ANSWER: **Great Die-Up**
[10] The Great Die-Up wiped out the herd of this future president who led a 1913 expedition to the "River of Doubt" in Brazil and commanded the Rough Riders.
ANSWER: Theodore "Teddy" **Roosevelt** [or **TR**]
[10] In 1887, Roosevelt founded a hunter-conservation group named for two historical Americans. One fought in the Battle of Blue Licks, while the other was a Congressional opponent of Andrew Jackson's Indian Removal plans. Name either man.
ANSWER: Daniel **Boone** OR David "Davy" **Crockett** [or **Boone** and **Crockett** Club] <Kendrick>

7. One billion mathematicians working simultaneously throughout the galaxy. One trillion scientists working on a proof for eternity. For 10 points each:

[10] Boatloads of scientists, including James Garfield, have proven this result, which states that the sum of the squares of a right triangle's side lengths equals the length of the hypotenuse.

ANSWER: **Pythagorean** theorem [or **Pythagoras'** theorem]

[10] Hundreds of mathematicians have proven this result regarding the number of residues for second-power modular congruences. It was first proved by Gauss.

ANSWER: law of **quadratic reciprocity**

[10] Michael Aschbacher and hundreds of other mathematicians spent decades working on the "enormous theorem", which required about forty years of work to list all of these types of mathematical objects. The integers with the addition operation is the simplest of them.

ANSWER: **group**s <Collins>

8. Along with persistence of vision, this concept makes up the foundation of the theory of film. For 10 points each:

[10] What concept is an optical illusion in which people view a series of still images in rapid succession as continuous motion? It was defined by Max Wertheimer (VAIR-tye-muh).

ANSWER: **phi phenomenon**

[10] Wertheimer, along with Kurt Koffka and Wolfgang Köhler, was one of the founders of this German school of psychology that emphasizes that the mind forms a global whole, which has a reality of its own.

ANSWER: **Gestalt** psychology [or **gestaltism**]

[10] This German word names a law in Gestalt psychology that stresses the ideas of conciseness and orderliness; it basically claims that objects are grouped together if they form a regular, simple, and orderly pattern.

ANSWER: **Pragnanz** (PROG-nonts) <Cheyne>

9. In the 1960s, this architect ran several studios approaching urban architecture as a combination of form, forces, and function. For 10 points each:

[10] Name this designer of campus plans for several colleges, such as Williams, Bryn Mawr, and the University of Michigan. She published the essay "Room at the Top?" examining sexism in architecture, two years before boycotting a 1991 ceremony.

ANSWER: Denise Scott **Brown**

[10] In 1991, Robert Venturi, and not his close collaborator and partner Denise Scott Brown, was awarded this most prestigious prize in architecture.

ANSWER: **Pritzker** Architecture Prize

[10] Brown's essay blamed the lionization of these celebrity architects for exacerbating sexism by obscuring the accomplishments of female collaborators. This portmanteau term was coined to describe popular architects like Frank Gehry who are famous even among the general public.

ANSWER: **star**chitect [or the **star** system; or **star** architects; or any answer containing **star**] <Gupta>

10. This character is saved by a woman referred to as "the Amazon" after the troupe of actors he is leading ignores warnings of plundering soldiers in the area. For 10 points each:

[10] Name this title character of two Goethe novels who goes on a debt-collecting trip that leads him into the theater world after being heartbroken by Mariane.

ANSWER: **Wilhelm** Meister [or Wilhelm **Meister**]

[10] In *Wilhelm Meister's Apprenticeship*, the actors stage a production of this Shakespeare play, though they have trouble finding someone to play the part of the ghost of the title character's murdered father.

ANSWER: *Hamlet*

[10] Wilhelm Meister reads *The Confessions of a Beautiful Soul*, a book written by a woman with this title that links several mysterious characters.

ANSWER: The **Canoness** [or die **Stiftsdame**] <Droge>

11. Ghost fields named for Faddeev (fah-DAY-yeff) and Popov are necessary when quantizing these theories. For 10 points each:

[10] Name these gauge (gayge) theories that underpin the Standard model. One of the Millennium Problems involves showing that one of these theories with a mass gap greater than zero exists for any compact simple gauge group.

ANSWER: **Yang–Mills** theories

[10] This physicist's unification electromagnetism is a classic example of a Yang–Mills theory. He modified Ampère's law to account for displacement current.

ANSWER: James Clerk **Maxwell**

[10] One of the two central equations of Yang–Mills theories states that the exterior covariant derivative of the curvature is equal to this value. The divergence of the magnetic field equals this value according to Gauss's law.

ANSWER: **zero** <Hothem>

12. This character is constantly antagonized by his subordinate, Whitcomb. For 10 points each:

[10] Name this character or give his position. In a novel, the opening line "It was love at first sight" refers to the protagonist's love and admiration for this character. He is last seen promising to nag and badger Cathcart and Korn every time he sees them.

ANSWER: **Chaplain** Tappman [or **Albert**; or **A.T.**; or **Tappman**; or **Robert**; or **R.O.**; or **Shipman**]

[10] Chaplain Tappman is one of Yossarian's confidants in this satirical Joseph Heller novel set during World War II.

ANSWER: *Catch-22*

[10] This physician is the first to explain the title "Catch-22" argument to Yossarian when he asks to be excused from duty. He is infamously judged by the bureaucracy to be dead due to a snafu, despite being obviously alive, and is dutifully ignored by others from that point on.

ANSWER: Doc **Daneeka** [prompt on Doc] <Cheyne>

13. This man's suicide note came from Sophocles' *Ajax*. For 10 points each:
[10] Name this Cabinet member who killed himself by jumping out of a window at the National Naval Medical Center in 1949. The most outlandish conspiracy theories suggest he was killed because he knew too much about UFOs at Roswell.
ANSWER: James Vincent **Forrestal**
[10] Forrestal was the first man to hold this Cabinet position, more famously held by men like Robert McNamara during the Vietnam War.
ANSWER: Secretary of **Defense**
[10] This 1947 act merged the Department of War with the Department of Navy to create a new department run by the Secretary of Defense. It also created the Central Intelligence Agency.
ANSWER: **National Security** Act of 1947 <Cheyne>

14. Souls who travel to this location supposedly do so by leaving their bodies at the top of the skull. For 10 points each:
[10] Name this location of ultimate bliss and enlightenment, where Amitabha dwells in various Buddhist traditions. You may give either the Sanskrit name or the name sometimes given to the branch of Buddhism in which it appears.
ANSWER: **Pure Land** [or **Sukhavati**; or **Western Paradise**]
[10] Pure Land Buddhism is popular within this Asian country, where its sects are distinct from the many Zen Buddhist sects, such as the Rinzai school.
ANSWER: **Japan** [or **Nihon**; or **Nippon**]
[10] This sutra, along with two others named for the Amitabha Buddha, is the primary text of Pure Land Buddhism. It describes how reciting Amitabha's name will gain access to the Pure Land.
ANSWER: **Infinite Life** Sutra [or **Sukhavativyuhaḥ**; or obvious equivalents of **infinite life**] <Cheyne>

15. Although there was just one of these types of transactions in the 1980s, there have been over 50 in the last ten years. For 10 points each:
[10] Identify this practice of a company reincorporating in a country with a lower tax rate after purchasing a company with at least 25 percent of its assets. Burger King's purchase of Tim Horton's allowed it to re-incorporate in Canada and thus undergo this process.
ANSWER: tax **inversion** [or corporate **inversion**]
[10] The largest tax inversion announced in 2015 was this drug company's merger with the Irish-based Allergan. For years, this company has profited off of blockbuster drugs such as Lipitor and Viagra.
ANSWER: **Pfizer** Inc.
[10] In the 1990s, Tyco International used an inversion to re-incorporate in Bermuda. The corporate shenanigans of Tyco and this infamous energy company in the early 2000s led to the passage of the Sarbanes–Oxley Act.
ANSWER: **Enron** <Bentley>

16. This ceremony may involve wearing the tefillin for the first time. For 10 points each:
[10] What event is a coming of age ritual for Jewish boys and girls? It generally takes place at the age of 13 for boys and 12 for girls.
ANSWER: **bar mitzvah** [or **bat mitzvah**]
[10] The first bat mitzvah for a Jewish girl in the United States was held by Mordecai Kaplan, the co-founder of this branch of Judaism that broke away from Conservative Judaism. This branch believes in an impersonal God and stresses the evolving nature of Judaism as a civilization.
ANSWER: **Reconstructionist** Judaism
[10] The three main branches of Judaism in the United States include Conservative Judaism and these two other branches. One takes a more progressive and liberal stance towards the faith, while the other is a broad movement with many sects that believe the Torah was dictated from God. Name both.
ANSWER: **Orthodox** Judaism AND **Reform** Judaism [prompt on Liberal or Progressive Judaism for "Reform"] <Cheyne>

17. Cancers of this organ may be screened using sigmoidoscopy. For 10 points each:
[10] Name this organ affected by ulcerative colitis and Crohn's disease. It receives chyme (kyme) from the small intestine via the ileocecal (ill-ee-oh-SEE-kuhl) valve.
ANSWER: **large intestine** [or **large bowel**; or **colon**; prompt on partial answers]
[10] Mutations in the "Kirsten" member of this protein family can cause resistance to EGFR-inhibiting drugs in colorectal cancer. This family of GTPases was discovered through studies of viruses that cause sarcoma in rats, and it also activates the MAPK cascade.
ANSWER: **Ras**
[10] This form of colorectal cancer can arise from inactivating mutations in a namesake tumor suppressor involved beta-catenin degradation. This cancer often manifests with multiple polyps in the bowel.
ANSWER: familial **adenomatous polyposis** [or **adenomatous polyposis** coli; or **FAP**; or **APC**] <Smart>

18. This poem's speaker variously calls herself "the Rock, the River, the Tree" and urges the listener to say "very simply, with hope, good morning". For 10 points each:
[10] Name this poem titled for a moment when "you may have grace to look up and out". It was read at the inauguration of Bill Clinton.
ANSWER: "**On the Pulse of Morning**"
[10] This African-American poet, who died in May 2014, wrote "On the Pulse of Morning" and described her upbringing in *I Know Why the Caged Bird Sings*.
ANSWER: Maya **Angelou** [or Marguerite Annie **Johnson**]
[10] Angelou took the line "I know why the caged bird sings" from "Sympathy" by Paul Laurence Dunbar, who also wrote this poem that describes an object that "grins and lies, hides our cheeks and shades our eyes".
ANSWER: "**We Wear the Mask**" <Sy>

19. When a mob lynched a magistrate in this city, the reprisal killings came to be known as the Massacres of La Glacière. For 10 points each:
[10] Name this city where Napoleonic Marshal Guillaume Brune was killed during the White Terror. The area around this city was known as the Comtat Venaissin (kohm-TAH ven-nay-SANN).
ANSWER: **Avignon** (ah-veen-YAWN)
[10] From 1309 to 1376, the holder of this office resided in Avignon, a period of history sometimes called the Babylonian Captivity.
ANSWER: **Pope** [or Avignon **Papacy**]
[10] The Knights Templar were suppressed during the tenure of the fifth pope of this name, who ordered the burning of Fra Dolcino of Novara and moved the Papacy to Avignon.
ANSWER: **Clement** V [or Raymond **de Got**] <Droge>

20. This composer's most ambitious choral piece was used as a model for a 1947 piece by Maurice Duruflé in the same genre. For 10 points each:
[10] Name this composer who set nine poems by Paul Verlaine (vair-LEN) in the song cycle *La bonne chanson*.
ANSWER: Gabriel **Fauré** [or Gabriel Urbain **Fauré**]
[10] Fauré's *Dolly Suite* ends with a lively dance in the style of this country's music. Emmanuel Chabrier (shob-ree-AY) and Maurice Ravel both wrote rhapsodies titled for this country.
ANSWER: **Spain** [or "Le pas **espagnol**"; or *España*; or *Rapsodie espagnole*]
[10] Spanish composers Joaquín Rodrigo and Francisco Tárrega wrote concertos and solo pieces for this instrument, whose six strings may be plucked either with one's fingers or with a pick.
ANSWER: **guitar** <Kim>

21. Four thieves vinegar was a popular folk protection against this event. For 10 points each:
[10] What event, thought to be caused by Oriental rat fleas, killed somewhere between 30 to 60 percent of Europe's total population in the 14th century?
ANSWER: **Black Death** [prompt on the plague; prompt on bubonic plague]
[10] Many examples of these violent events happened due to rumors that the Black Death was caused by well-poisoning. A particularly bloody one took place on Valentine's Day in Strasbourg in 1349.
ANSWER: **pogrom**s [or obvious equivalents of **massacres of Jews**; prompt on massacres]
[10] The Black Death was likely spread to Europe after Mongols used catapults to launch infected corpses into this Crimean city in 1347.
ANSWER: **Kaffa** [or **Caffa**; or **Feodosia**; or **Theodosia**] <Cheyne>