

Maryland Spring 2014 - Get Your Pencil and Paper Ready for Round 12

Packet 8

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Tossups

1. **After hearing of this effort, one man claimed he had time to finish his game of ninepins. William FitzWilliam executed a number of survivors of this campaign in Ireland. During this campaign, one person said “I have the heart and stomach of a king” in the Tilbury speech. The Duke of Medina Sidonia oversaw this effort, preparations for which were set back by a (\*) raid called the “singeing of the king’s beard.” Medals reading “He blew with his winds, and they were scattered” were cast after this event, after which much of one force was wrecked on the Irish coast. For 10 points, name this event during which Francis Drake repulsed a fleet sent by Philip II.**

ANSWER: invasion of the Spanish armada (accept other words like “destruction” or “defeat” with Spanish armada)

2. **In an episode of *Arthur*, Muffy doesn’t want to attend one of these events, and Rodney Gilfry helps the kids stage one of them. In an episode of *The Simpsons*, Bart is forced to attend one of these events after being mistaken for a genius. In one movie, Herman Gottlieb performs at this kind of event, and that film also features the character (\*) Otis B. Driftwood. A Marx Brothers movie is about “A Night at” this kind of event, and a Merrie Melodies cartoon about one of these events sees Elmer Fudd sing “Kill Da Wabbit.” For 10 points, name this kind of musical performance, examples of which include *Carmen*.**

ANSWER: an opera (prompt on less specific stuff like “concert”)

3. **Filaggrin binds to fibers of this protein, whose “cyto” form is used to denote acidic or basic subdivisions found in intermediate filaments. Squamous cell carcinoma can produce “pearls” of this protein, whose genes are mutated in epidermolysis bullosa (\*) simplex. Cornification forms this protein, which comprises baleen and contains a high volume of cysteine in stabilizing disulfide bridges, explaining why this protein smells similar to rubber when burned. Its more rigid beta- form is found in turtle shells, beaks, and feathers. For 10 points, identify this structural protein whose alpha- form comprises hooves, fingernails, and hair.**

ANSWER: keratin

4. **The speaker of one poem by this author claims “they swarm around me, a hive of bees.” In a book by this author, the protagonist smashes a woman’s china after being called “Mary.” That work by this author of “On the Pulse of Morning” and (\*) “Phenomenal Woman” takes its title from a Paul Laurence Dunbar poem and is narrated by a girl who becomes a streetcar operator in San Francisco after leaving Stamps, Arkansas. For 10 points, name this African-American author of the memoir *I Know Why the Caged Bird Sings*.**

ANSWER: Maya Angelou (or Marguerite Anne Johnson)

5. **This god sent a monster to attack Troy after Laomedon failed to reward Apollo and this god for building the city walls. This god raped Caenis, after which he transformed her into a male. This deity was the father of Chrysaor and (\*) Pegasus, who were conceived when he raped Medusa. This father of Theseus flooded the Attic plain after losing a contest to Athena for the patronage of Athens. This husband of Amphitrite was the father of Polyphemus and Triton. For 10 points, name this trident-wielding Greek god of the sea.**

ANSWER: Poseidon

6.. A series of 24,000-year-old cave paintings can be found in the Tsodilo Hills in the northwestern area of this country. A history subtitled “Village of the Rain Wind” told the history of this country’s town of Serowe and was written in 1974 by its most famous inhabitant, the author Bessie Head. While under the control of Great Britain, this country was known as (\*) Bechuanaland. This country, which is almost entirely covered by the Kalahari Desert, is bordered by Zimbabwe to the east, Namibia to the west, and South Africa to the south. For 10 points, name this African country with capital at Gaborone.

ANSWER: Botswana

7. A mathematically-dubious theory about “forty” units of this good was proposed by George McDuffie. James Henry Hammond claimed that he “could bring the world to our feet” with this product. A “famine” named for this good occurred in Lancashire during a blockade, and this product was referred to as (\*) “King” for the apparent dependence of Europe on it. Production of this good increased dramatically with the invention of a machine that used teeth to separate out its seeds. For 10 points, name this product for which Eli Whitney invented a “gin,” a staple of the textile industry that was grown by slaves on Southern plantations.

ANSWER: cotton

8. A story based on this story ends with Charlotte “luridly” wondering if Arthur has Mrs. Guy’s address. When one character in this story praises Scotch broth, another thinks of “the wings of asparagus chicken.” This story features an event hosted by the Minister of Education and was the basis for Henry James’s (\*) “Paste.” Near the end of this story, a character who has become “hard, coarse, and shrill” is not recognized by an old friend. The final sentence of this story is “it was worth at the very most 500 francs,” revealing that the protagonist’s decade of labor was pointless. For 10 points, name this story by Guy de Maupassant titled for a piece of fake jewelry.

ANSWER: “The Necklace”

9. This scientist names a unit that is charge times  $h$  bar over two times rest mass; that is the magnetic moment of an electron due to spin and is named his magneton. One problem with a model this man proposed is that moving charges would (\*) radiate away too much power. In a hydrogen atom, the maximum of the magnitude of an electron’s wave function occurs at this man’s namesake radius. For 10 points, name this Danish physicist who names a model of atoms in which electrons travel around the nucleus in distinct circular orbits.

ANSWER: Niels Bohr

10. In one of this artist’s paintings, a gypsy in a black and white dress dances in front of two seated men playing guitars, while two more guitars hang on the wall in the back. One of his paintings shows two young girls in white dresses looking downward while surrounded by paper lanterns and the title (\*) flowers. A portrait by this man shows a pale skinned woman in a black dress resting her right hand on a table and looking to the left; that work depicts Virginie Gautreau. For 10 points, name this painter of *Carnation, Lily, Lily, Rose* and *Madame X*.

ANSWER: John Singer Sargent

11. One of these things was overhauled by the Greek scholar Pletho, and the Bulgars had one of these things that involved boars and mice and supposedly borrowed heavily from the Turks. Ethiopians often use the Oromo form of this thing. One man who influenced a Roman version of this thing is Numa and that form was based on the (\*) moon. A famous one of these things using base 20 and base 18 was used by the Mayans, and was notably a “Long Count” form that supposedly predicted the end of the world. A famous reform of one of these things was developed in 1582 by a namesake pope. For 10 points, name these things, of which the “Gregorian” is one, often used to measure days and years.

ANSWER: calendars

12. In one story by this author, a maid sings the same verse of an aria twice after playing a game involving the title substance, “Clay.” The main character of another of his stories wonders whether he should quote Robert Browning and hears Mr. D’Arcy sing “The Lass of Aughrim.” That story by him concerns (\*) Mrs. Conroy’s love for the deceased Michael Furey. One of this author’s novels includes a controversial scene in which a man “watches” Gerty Macdowell on the beach and is set on 16 June 1904. For 10 points, name this author who included “The Dead” in his collection *The Dubliners* and wrote about Leopold Bloom in *Ulysses*.

ANSWER: James Joyce

13. SN1 reactions are sometimes referred to as [this substance]-lysis because the nucleophile is often one of these substances, and polar aprotic ones like THF are used to conduct SN2 reactions. The partition coefficient is the relative (\*) affinity for a species for two different examples of these substances. The polarizability and dipole moment of these substances determines their strength, and molecules of these substances form a shell around ions found within them. Water is considered the universal one. For 10 points, name these substances which dissolve a solute in order to form a solution.

ANSWER: solvent

14. During the Hindu festival of Karva Chauth, this practice is undertaken by wives for the longevity of their husbands. In Islam, failure to observe this practice must be made up by paying the *fidyah*, and it is preceded by the suhoor. In Jainism, the *santhara* form of this practice is undertaken by one who has no remaining worldly obligations. This practice is ended daily with the (\*) *iftar*, and it is forbidden on Eid al-Adha, or the Feast of the Sacrifice. Another instance of this practice is ended on Eid al-Fitr. For 10 points, name this practice that serves as the pillar of *sawm* in Islam, undertaken during the month of Ramadan.

ANSWER: fasting

15. During this war, soldiers crawled around under imaginary barbed wire on the orders of the future founder of the Boy Scouts. Breaker Morant was hung for shooting prisoners during this war. Emily Hobhouse founded a Distress Fund for victims of this war, and concentration camps set up during it were investigated by Millicent Fawcett. This war featured sieges at (\*) Ladysmith and Mafeking and was partly instigated by the Jameson raid and the treatment of *uitlanders* by Paul Kruger’s government. For 10 points, name this war ended by the Treaty of Vereeniging in which the British fought the namesake group of Dutch South Africans.

ANSWER: Second Anglo–Boer War (do not accept “First Boer War”)

16. In this novel, a Belgian explorer named Gaston accidentally has his plane shipped to Africa. As this novel ends, a child with a pig’s tail is carried off and eaten by ants. The sons of one character in this novel have their heads marked with the Ash Wednesday cross and are all killed by the government. A musician named Pietro Crespi kills himself in this novel after being spurned, and this novel opens with a character’s father showing him (\*) ice for the first time at a gypsy fair. The patriarch of the central family in this novel marries Ursula Iguaran and founds the city of Macondo after having a dream. For 10 points, name this novel about the Buendia family, a work of Gabriel Garcia Marquez.

ANSWER: One Hundred Years of Solitude (or Cien años de soledad)

17. A solid gold one of these instruments was owned by Jean-Pierre Rampal, a 20th century master of it. Georges Barrère premiered a work for this instrument that takes its title from a physical property of platinum, Edgard Varèse’s *Density 21.5*. This instrument represents the little (\*) bird in Prokofiev’s *Peter and the Wolf*. This instrument, which plays the opening bars of Debussy’s *Prelude to the Afternoon of a Faun*, is closely

related to the fife and piccolo. For 10 points, name this reedless woodwind instrument, which appears in the title of a Mozart opera featuring the Queen of the Night.

ANSWER: flute

18. The first section of one work by this man focuses on the quality of “determinateness,” and it further divides itself into sections on “magnitude” and “measure.” Another work by this philosopher declared that the state is “god on earth;” that work is his *Elements of the Philosophy of (\*) Right*. One work by this man was later expanded into the *Encyclopedia of the Philosophical Sciences*, and this author of *The Science of Logic* wrote about the “world spirit” in another work. This philosopher famously posited the master-slave dialectic. For 10 points, name this German philosopher and author of *The Philosophy of History* and *The Phenomenology of Spirit*.

ANSWER: Georg Wilhelm Friedrich Hegel

19. A silhouette of this man with the caption “he’s the excrement-in-the-bed” was spread after he said “reform yes, chaos no.” A subordinate of this leader negotiated the Grenelle agreement during one crisis. Lester Pearson responded to one of this man’s comments by saying (\*) “Canadians do not need to be liberated.” This president faced a wildcat strike in May 1968 and incurred the wrath of the OAS by signing the Evian accords. Earlier, he had broadcasted the Appeal of 18 June to rally opposition to Philippe Petain’s puppet regime. For 10 points, name this first president of the Fifth Republic who led the Free French Forces during World War II.

ANSWER: Charles de Gaulle

20. There is some evidence that the cores of these phenomena are heated by dry adiabatic subsidence. The TORRO scale is a newer classification of these phenomena. The triple point of a certain structure is the intersection of warm inflow, cool outflow, and the rear flank downdraft and is favorable for the genesis of these phenomena. A hook echo is a common indicator of these phenomena and is characteristic of (\*) supercells, which are cloud formations that often spawn these phenomena. They are classified from one to five on the Fujita scale based on destruction caused and wind speeds. For 10 points, name these violent, fast-spinning air columns.

ANSWER: tornadoes (accept twistor; prompt on “mesocyclone” or “cyclone”)

## Bonuses

1. This figure was originally named Setanta, but he is better known by a name he earned after killed a guard dog. For 10 points each:

[10] Name this legendary warrior who singlehandedly defended Ulster against Queen Medb during the Cattle Raid of Cooley.

ANSWER: Cú Chulainn (accept Cú Chulaind or Cuhullin)

[10] Cú Chulainn used this fearsome weapon to kill his best friend Ferdiad and his son Connla. This spear was given to him by Scáthach, and it fills the victim's body with sharp barbs.

ANSWER: Gáe Bulg

[10] Cú Chulainn owns one of these animals named Liath Macha, the king of these creatures. In Norse mythology, Odin owns an eight-legged one named Sleipnir.

ANSWER: horses

2. During this scandal, Rose Mary Woods claimed to have accidentally deleted eighteen-and-a-half minutes of evidence. For 10 points each:

[10] Name this scandal that brought down the Nixon administration and was named for the hotel where five men were caught putting listening devices in a Democratic campaign office.

ANSWER: Watergate

[10] During this event, a smaller incident within the whole Watergate scandal, the Attorney General and the deputy Attorney General resigned rather than fire Archibald Cox, who had issued a subpoena for the Watergate tapes.

ANSWER: Saturday Night Massacre

[10] Twenty years earlier, Nixon had managed to stay on as Eisenhower's running mate by giving this speech, named for the dog which his children had received as a gift from a Texan man.

ANSWER: Checkers speech

3. Answer some questions about a Polish anthropologist and his work. For 10 points each:

[10] This Pole is famous for his studies of the Trobriand islanders in books like *Coral Gardens and Their Magic*. He also documented the Kula Ring.

ANSWER: Bronislaw Malinowski

[10] This work of Malinowski's discusses the Kula Ring and the Trobriand Islanders. It's often considered the first work of "economic anthropology."

ANSWER: Argonauts of the Western Pacific

[10] Malinowski also wrote the introduction to Facing Mount Kenya, by Jomo Kenyatta, which examined the life of these people of central Kenya.

ANSWER: Kikuyu people

4. This character stops all the clocks in her house at twenty minutes to nine after receiving a letter from Compeyson. For 10 points each:

[10] Name this woman who lives in her wedding dress after being jilted at the altar. In revenge, she trains Estella to break the hearts of men.

ANSWER: Miss Havisham

[10] Miss Havisham appears in this novel which opens with the protagonist assisting the convict Magwitch. That protagonist, Pip, leaves the ruins of Satis house with Estella at its conclusion.

ANSWER: Great Expectations

[10] This Victorian author of *Great Expectations* wrote about Ebenezer Scrooge in his novella *A Christmas Carol*.

ANSWER: Charles Dickens

5. The Navarro–Frenk–White profile is a spatial distribution of halos of this material in galaxies. For 10 points each:  
[10] Name this stuff that doesn't emit light and makes up about twenty-seven percent of the universe's mass.

ANSWER: **dark matter** (do not accept "dark energy")

[10] Name either of the two most popular candidates proposed to make up dark matter. The first are particles named for their non-interaction with surrounding matter, while the second are remnants of astronomical bodies that do not emit light anymore.

ANSWER: **WIMPs** or **MACHOs** [or **Weakly Interacting Massive Particles** or **Massive Compact Halo Objects**]

[10] The distribution of baryonic mass in the Bullet Cluster supports the existence of dark matter and was calculated using this technique. This phenomenon was first identified in the Twin Quasar, making it look like two separate objects.

ANSWER: **gravitational lensing**

6. Christopher Wheeldon wrote a 2003 ballet based on this work, which includes sections like "Tortoises" and "Fossils." For 10 points each:

[10] Name this fourteen movement suite. Two violins depict the braying of asses in its "Personages With Large Ears" section, while a solo cello represents "The Swan" in another part.

ANSWER: *The **Carnival of the Animals***

[10] This French composer of *The Carnival of the Animals* used the xylophone to depict the rattling bones of skeletons in his *Danse macabre*.

ANSWER: Camille **Saint-Saëns**

[10] This movement in the final act of Khachaturian's ballet *Gayane* opens with the xylophone playing over drums.

ANSWER: **"Sabre Dance"**

7. Name some saints important in the Catholic faith, for 10 points each.

[10] This saint, one of the Twelve Apostles of Jesus, was a son of Jona from Bethesda. He was the "rock" on which Jesus built his church and Catholics name him as the first pope.

ANSWER: St. **Peter** (or **Simon Peter**)

[10] This Carmelite nun and author of *The Story of a Soul* was known as "The Little Flower of Jesus." She promoted a path to Heaven called the "little way."

ANSWER: St. **Thérèse** of Lisieux

[10] This saint from the 4th century and Latin Doctor of the Church was an Archbishop of Milan who wrote *On the Mysteries*.

ANSWER: St. **Ambrose**

8. Name the following hormones related to the reproductive system, for 10 points each.

[10] In males, this hormone triggers testosterone production in Leydig cells. A surge of this hormone in females triggers ovulation and the creation of a similarly-named structure that secretes progesterone.

ANSWER: **luteinizing** hormone (or **LH**; or **lutropin**; or **lutrophin**; or **interstitial cell-stimulating hormone**; or **ICSH**)

[10] GPR30 binds to this group of hormones, the primary sex hormones in females.

ANSWER: **estrogens**

[10] The let-down reflex during breastfeeding causes this hormone to be released, stimulating milk release. Structurally similar to vasopressin, it is nicknamed "the love hormone" supposedly due to its role in bonding behavior.

ANSWER: **oxytocin**

9. In one scene of this work, centaurs shoot at anyone who tries to escape a river of blood. For 10 points each:

[10] Name this work narrated by a man who enters a gate reading “Abandon all hope, ye who enter here.” This poem describes the nine circles of hell and is the first part of Dante’s *Divine Comedy*.

ANSWER: **Inferno** (prompt on “*The Divine Comedy*”)

[10] Before entering Hell, Dante attempts to escape a dark forest by climbing a mountain, but is stopped by three animals. Name any one of them.

ANSWER: a **leopard**, a **lion**, or a she-**wolf**

[10] Soon afterwards, Dante meets the shade of this other poet. After Dante tells him what a big fan he is, this figure offers to be his guide in hell.

ANSWER: **Virgil**

10. This king’s daughter and successor Christina abdicated, converted to Catholicism, and moved to Rome. For 10 points each:

[10] Name this Swedish king known as the “Lion of the North” who died while fighting Wallenstein’s forces in the Battle of Lutzen.

ANSWER: **Gustavus Adolphus** (or **Gustav II**; prompt on “Gustav” or “Gustavus”; do not accept “Gustav Vasa”)

[10] Gustavus Adolphus had intervened in one phase of this religious war, which was ultimately ended by the Treaty of Westphalia and named for the number of years it spanned.

ANSWER: **Thirty Years** War

[10] This able minister of Gustavus Adolphus negotiated the Truce of Altmark for the king and bought lots of mercenary soldiers for Sweden during the war.

ANSWER: Axel **Oxenstierna**

11. Anne Rutledge hears “the vibrations of deathless music” in one poem from this collection. For 10 points each:

[10] Identify this poetry collection by Edgar Lee Masters consisting of monologues spoken by residents of the title town.

ANSWER: **Spoon River Anthology**

[10] The speakers of the poems in *Spoon River Anthology* are all this type of person. Many characters in *Our Town* become this kind of person by Act 3, due to causes like pneumonia or a burst appendix.

ANSWER: **dead** people (accept obvious equivalents like **deceased** people, **ghosts**, or **rotting, fetid carcasses**)

[10] In *Spoon River Anthology*, Lucinda Matlock tells “degenerate sons and daughters” that “It takes [this] to love [this].” The exact word is needed.

ANSWER: **“life”**

12. In 1972, most of Unix was rewritten in this language. For 10 points each:

[10] Name this programming language whose name indicates that it is the successor to the language B. A later language based on it is named “this language” plus plus.

ANSWER: **C**

[10] In C, typing an asterisk before a variable makes it into one of these devices, whose value is an address that refers to another value elsewhere in a computer’s memory. Problematic types of these devices include “wild” and “dangling” types.

ANSWER: **pointers**

[10] Functions like `calloc`, `malloc`, and `realloc` are used to manage this resource in C. Segfaults occur when there is an issue with the allocation of this resource, and garbage collection can be used to manage it.

ANSWER: **memory**

13. Name some jazz musicians who played the saxophone, for 10 points each.

[10] This man’s style was memorably referred to as “sheets of sound.” Famous albums by this man include *Giant Steps* and *A Love Supreme*, and he also performed a cover of “My Favorite Things.”

ANSWER: John William **Coltrane** (or **Trane**)

[10] This saxophonist had a brother named “Nat,” and he composed “Mercy Mercy Mercy.” He was nicknamed “Cannonball.”

ANSWER: Julian Edwin “Cannonball” **Adderley**

[10] A big band tenor saxophonist named Tate had this nickname. It was also the nickname of the jazz drummer and dueling partner of Gene Krupa with the surname Rich, and that man often flew off the handle.

ANSWER: “**Buddy**”

14. The last emperor of this empire was a noted Urdu poet named Bahadur Shah II. For 10 points each:

[10] Name this Indian Empire, whose ruler Akbar won the 1556 Battle of Panipat and abolished the *jizya* tax.

ANSWER: **Mughal** Empire

[10] The rulers of the Mughal empire belonged to this religion. Akbar also paid poor members of this religion to go on pilgrimages to Mecca.

ANSWER: **Islam** (accept **Muslims**)

[10] This second Mughal emperor is known for his wars with Sher Shah and for dying after attempting to pray on some stairs.

ANSWER: **Humayun**

15. This region is the subject of several works by Marjory Stoneman Douglas. For 10 points each:

[10] Name this wetlands region of southern Florida home to alligators and mangrove forests.

ANSWER: the **Everglades** region

[10] This lake lies just to the north of the Everglades and is the largest freshwater lake in Florida. Fisheating Creek and the Kissimmee River flow into this lake.

ANSWER: Lake **Okeechobee**

[10] The Native American tribe who lived nearby Lake Okeechobee lends its name to this city to the southwest, home to Boca Raton and Palm Beach County.

ANSWER: **Miami**

16. You’ve just checked into your chemistry laboratory, and are going through the glassware in your drawer. For 10 points each:

[10] You find this piece of laboratory equipment that holds liquids and other stuff in a cone shape with a flat bottom and an opening at the top. It’s good for swirling without spillage.

ANSWER: **Erlenmeyer flask**

[10] Next to your Erlenmeyers, you find 100-milliliter and 10-milliliter versions of these tall and skinny containers used for accurately measuring volumes of fluid.

ANSWER: **graduated cylinders**

[10] You also find one of these special Erlenmeyer flasks, which have an opening for a vacuum line on the side. They are used in their namesake procedure with a Büchner funnel and semi-permeable materials, often paper.

ANSWER: **filter** flask

17. In this author’s story “Lot No. 249,” Abercrombie Smith is pursued by the mummy that an Egyptology student has reanimated. For 10 points each:

[10] Name this author whose story “The Disintegration Machine” and novel *The Lost World* both feature his character Professor Challenger.

ANSWER: Arthur Conan **Doyle**

[10] Doyle is probably best known for creating this nemesis of Professor Moriarty, a cocaine-addicted detective whose cases are chronicled by James Watson.

ANSWER: **Sherlock Holmes** (accept either name)



[10] In his first appearance, Holmes steals some photographs from Irene Adler at the behest of the King of this place. That story is titled for “A Scandal in [this place].”

ANSWER: “A Scandal in **Bohemia**”

18. In the right foreground of this painting, a man bends over to drill a hole into a piece of wood. For 10 points each:  
[10] Name this painting in which a mob containing armored men with pikes prepares to remove the red garment of the title figure.

ANSWER: *The **Disrobing of Christ*** (or *El **Expolio***)

[10] The artist of the *Disrobing of Christ* also painted a man holding the plan of this Spanish city in front of its skyline. He also depicted this city against a stormy sky and green hills in another painting.

ANSWER: *View of **Toledo***

[10] This Mannerist artist of *View of Toledo* spent most of his life there, but his most common name derives from his birthplace on the island of Crete.

ANSWER: El **Greco** (or Domenikos **Theotokopoulos**)

19. Answer some questions about what various musicians think about “today.” For 10 points each:

[10] The song “Today” by this 1990s band declares that “today is the greatest.” This band, which is fronted by the weirdo Billy Corgan, is also known for songs like “Bullet with Butterfly Wings” and “1979.”

ANSWER: The **Smashing Pumpkins**

[10] In his song “It Was a Good Day,” this gangsta rapper seems pretty happy about today. He’s more famous now for his work as a family friendly actor, appearing in films like *Are We There Yet?*, *21 Jump Street*, and most recently, *Ride Along*.

ANSWER: **Ice Cube** or O’Shea **Jackson**

[10] “The digital won’t let me go,” the singer declares in “Tomorrow Comes Today,” a song by this group. This group was founded by Blur’s Damon Albarn and Jamie Hewlett. It’s supposedly fronted by the fictional 2D.

ANSWER: **Gorillaz**

20. These dudes inspired the Swing Riots of the 1830s. For 10 points each:

[10] Name this group of people who smashed machines in England. and whose name has become synonymous for anyone who is against new technology.

ANSWER: **Luddites**

[10] Parliament got so angry at the Luddites that it passed this 1814 act that allowed the death penalty to be used for a namesake action.

ANSWER: **Frame Breaking** Act of 1814

[10] Most of the Luddites actions occurred in Lancashire and often in this port city. In the 19th century, this city had a large railway that linked it to Manchester and was a major center of the cotton trade.

ANSWER: **Liverpool**