**HSAPQ Tournament #53**

**Packet 13 Tossups**

1. **This molecule's beta-monooxygenase converts it to norepinephrine. This molecule's receptors are divided into two families based on the type of G protein they couple to. Drugs such as amphetamine and Ritalin are used to increase this molecule's levels in combating ADHD. The ventral tegmental area and substantia nigra mainly secrete this neurotransmitter. A lack of this neurotransmitter leads to (\*)** Parkinson's disease, and it is highly involved in the brain's reward system. For 10 points, name this neurotransmitter, which is synthesized from L-DOPA.

ANSWER: **dopamine** [or **3,4-dihydroxyphenethylamine**]

2. **This politician, who was targeted by Operation Mongoose, survived an attack that included landings at Blue, Red, and Green Beach during Operation Zapata. Exploding seashells, a poisoned wetsuit, and an exploding (\*)** cigar were all used to try and kill this man. This leader of the 26th of July Movement overthrew Fulgencio Batista, and his country was blockaded after Soviet missiles were placed there in 1962. For 10 points, name this now-retired Communist leader of Cuba.

ANSWER: **F**idel Alejandro **Castro** Ruz [prompt on **Castro**]

3. **Wolfgang Amadeus Mozart wrote a string quartet in this key that is nicknamed for its atonal opening. A second movement "Introduzione" in F major continues without pause into the third movement in Beethoven’s *Waldstein* sonata, which is in this key. A five-voice fugato ends Mozart’s (\*)** *Jupiter* symphony, which is in this key. J.S. Bach's *The Well-Tempered Clavier* opens with a prelude and fugue in this key, the relative key of A minor. For 10 points, name this major key with no sharps or flats.

ANSWER: **C** major [do not accept "C minor"]

4. **When the Astros failed to draft this man, scout Hal Newhouser quit his job. He was called "Mr. November" for hitting a clutch home run in a November World Series game, and another of his playoff home runs was aided by potential interference from a twelve-year-old. In 2003, this man became the first captain of his team since Don (\*)** Mattingly held the job. He announced the 2014 season was his final one, just as the previous season was the last one for longtime teammate Mariano Rivera. For 10 points, name this shortstop for the New York Yankees.

ANSWER: Derek Sanderson **Jeter**

5. **The leader of a bank that served this organization was found hanging from London's Blackfriars Bridge in 1982. A leader of this organization was almost assassinated in the Bojinka plot, and secretly sent aid to the Solidarity trade union. A member of the Grey Wolves tried to kill the leader of this organization in (\*)** 1981 and was named Mehmet Ali Agca. This organization signed the 1929 Lateran Treaty, which guaranteed it an enclave within the city of Rome. For 10 points, name this religious institution led by the Pope.

ANSWER: the Roman **Catholic Church**

6. **This poet featured his recurring rustic character Colin Clout in a series of twelve eclogues, one for each month of the year. This poet recounted his courtship of Elizabeth Boyle in a sequence of eighty-nine sonnets concluding with an “Epithalamion.” This poet of *The Shepheardes Calendar* and (\*)** *Amoretti* also created the female knight Britomart in the third book of an epic poem whose first book follows the Redcrosse Knight, who slays a dragon. For 10 points, name this Elizabethan poet of *The Faerie Queene*.

ANSWER: Edmund **Spenser**

7. **Two men in this painting were removed when it was trimmed down in 1715. An ensign bearer holds a large blue and yellow flag in the back of this painting, and to the left of that man, a red-clad musketeer reloads his rifle. A dog barks at a drummer on the right side of this painting, and a girl wearing a golden dress carries a (\*)** dead chicken. A double-spotlight illuminates the two men in the foreground of this painting, Lieutenant van Ruytenburch and Captain Frans Banning Cocq. For 10 points, name this painting of a citizen militia by Rembrandt van Rijn.

ANSWER: *The* ***Night Watch*** [or *The* ***Company of Captain Frans Banning Cocq and Lieutenant Willem van Ruytenburch***]

8. **A character created by this author endures an ice age with the Antrobus family in the first act of one of his plays. In a novel, hecreated Brother Juniper, who investigates the death of Uncle Pio in the collapse of the title structure. The Stage Manager narrates this author's most famous play, in which George (\*)** Gibbs marries Emily Webb, who relives her twelfth birthday after her death in Grover's Corners. For 10 points, name this American author of *The Skin of Our Teeth, The Bridge of San Luis Rey,* and *Our Town.*

ANSWER: Thornton **Wilder**

9. **If two random variables X and Y have this property, then the variance of X plus Y equals the variance of X plus the variance of Y. A set of vectors has this property is there exists no linear combination of them that produces the zero vector. Two events A and B have this property if the probability of B given A equals the probability of (\*)** B, or if the probability of both A and B occurring is the product of their individual probabilities. For 10 points, give this term that applies to two events when one event's occurrence does not affect the probability of the other.

ANSWER: **independent**

10. **With Henri de Saint-Simon and Augustin Thierry, this thinker collaborated on the periodical *L’Organisateur*. This thinker proposed a secular “Religion of Humanity” and coined the term “altruism.” He proposed that society evolved in (\*)** three stages: the theological stage, the metaphysical stage, and a final stage embodying his philosophy of knowledge derived solely from sensory experience. For 10 points, name this French sociologist who coined the word “sociology” and advocated positivism.

ANSWER: Auguste **Comte**

11. **A queen with this name was dethroned in an 1868 revolution and opposed in the First Carlist War. The first queen with this name fought and won a war of succession against Juana la Beltraneja. That queen with this name, who was nicknamed "the (\*)** Catholic," had her marriage made valid by the future Pope Alexander VI and was one of the two monarchs who set up Tomas de Torquemada as leader of an Inquisition. For 10 points, identify this name held by a Castilian queen who supported the voyages of Christopher Columbus and ruled Spain with Ferdinand.

ANSWER: **Isabella** I of Castile [or **Isabella** II of Spain; or **Isabel**]

12. **One of this man's unfinished novels is subtitled “The Man Who Disappeared” and describes Karl Rossmann's adventure in the title country. In a short story by this author, a machine carves the sentence "Be Just" on an officer of the title location. This author of *Amerika* and "In the Penal Colony" wrote about (\*)** Josef K., who is arrested on his thirtieth birthday, and about Gregor Samsa, who wakes up one morning transformed into a giant insect. For 10 points, name this Czech-German author of *The Trial* and "The Metamorphosis."

ANSWER: Franz **Kafka**

13. **A city found on this island was formerly called Meaco in the West. This island’s southern city of Kure was where the largest battleship in history was based. The Shinano River flows through this island, which is directly north of the Izu Islands. It is found north of the (\*)** Kanmon Strait and south of the Tsuguru Strait, separating it from Kyushu and Hokkaido, respectively. For 10 points, name this island on which Tokyo can be found, the largest in Japan.

ANSWER: **Honshu**

14. **The orchestral suites from this opera contain movements such as "The Dragoons of Alcala" and "March of the Smugglers." The title character of this opera repeatedly sees omens of death in the "Card Trio" she sings with Mercedes and Frasquita. Another character in this opera receives news from his mother through his former love interest, (\*)** Micaëla. Its title character sings a song comparing love to a "gypsy child" and a "rebellious bird," before throwing a flower at Don José. For 10 points, name this opera by Georges Bizet, in which the title character sings a “Habanera” and Escamillo sings the "Toreador Song."

ANSWER: ***Carmen***

15. **A stellar process named for three of these particles leads to the formation of carbon-12 in red giants and supergiants. The emission of one of these particles from a nucleus can be considered a tunneling event, and is part of a namesake decay which leads to a daughter nucleus with an atomic number (\*)** two less than the parent. Rutherford bombarded gold foil with these particles in an experiment that disproved Thomson's plum pudding model of the atom. For 10 points, name this particle composed of two protons and two neutrons.

ANSWER: **alpha particles**

16. **This philosopher attacked the "ideal spectator" theory of Friedrich Schlegel in a book to which he later added a preface titled "An Attempt at Self-Criticism." This man argued that people seek to overcome challenges in order to satisfy their "will to (\*)** power." He wrote of the Apollonian and Dionysian in art in his *The Birth of Tragedy*. For 10 points, name this German who wrote of the "Ubermensch" in his *Also Sprach Zarathustra*, and stated "God is dead" in *The Gay Science*.

ANSWER: Friedrich **Nietzsche**

17. **Before making them constellations, Zeus performed this action on the Teumessian Fox and the dog Laelaps since they created a paradox by meeting each other. In Norse myth, Thor prevented the dwarf Alviss from marrying his daughter until the rising Sun made the dwarf die in this way. Polydectes died in this manner after seeing a supposed wedding gift in the *Metamorphoses*, in which the titan (\*)** Atlas became the Atlas Mountains after meeting Perseus and undergoing this action. For 10 points, identify this type of death experienced by people who gazed at the head of Medusa.

ANSWER: **turn**ing in**to** **stone** [accept equivalents like being **transform**ed into a **rock**; accept **petrifaction** or **petrification** or word forms; prompt on **death** or getting **killed** until "die in this way"]

18. **This man defended his home state's Two Penny Act against James Maury's suit for back wages during the Parsons' Cause. This man declined to attend the Constitutional Convention after claiming he "smelt a rat." He was shouted down with the word "treason!" during a speech against the (\*)** Stamp Act, and, according to biographer William Wirt, he later announced "I know not what course others may take." For 10 points, name this staunch Virginia patriot who proclaimed "give me liberty or give me death."

ANSWER: Patrick **Henry**

19. **It's not Neptune, but cryovolcanism on a moon of this planet may explain why it has the highest albedo of any object in the Solar System. Ghostly "spokes" discovered in a structure of this planet line up with its magnetosphere, which, like a larger neighbor, is generated from a layer of metallic hydrogen. The Cassini-Huygens mission studied this least (\*)** dense planet, whose largest moon contains lakes of liquid hydrocarbons and is named Titan. For 10 points, name this planet with a complex ring system that lies between Jupiter and Uranus.

ANSWER: **Saturn**

20. **In this novel, a woman asks “Haven’t you any gumption?” shortly after the hurried birth of a boy named Beau. A young girl in this book sleeps with the lights on all night, dies while riding the horse Mr. Butler, and is named Bonnie Blue. The protagonist of this novel stays with Aunt Pittypat in Atlanta after the death of her husband, (\*)** Charles Hamilton. In this novel, Melanie marries Ashley Wilkes, breaking the heart of a resident of Tara. For 10 points, name this novel in which Rhett Butler marries Scarlett O’Hara, a Civil War novel by Margaret Mitchell.

ANSWER: ***Gone with the Wind***

21. **This author created a wastrel who accidentally kills his older brother’s horse Wildfire when he is supposed to sell him. She also wrote about a boring scholar who writes *The Key to All Mythologies* named Edward Casaubon. This novelist wrote about Will Ladislaw and (\*)** Dorothea Brooke in a “Study of Provincial Life,” in addition to creating a miser whose stolen gold is replaced by the abandoned infant Eppie. For 10 points, name this novelist of *Middlemarch* and *Silas Marner.*

ANSWER: George **Eliot** [or Mary Ann **Evans**]

22. **During this decade, the pro-business Fordney-McCumber Tariff was passed. A man elected President during this decade campaigned with the slogan "a chicken in every pot." A President inaugurated during this decade had been elected using the attractive promise of "a return to (\*)** normalcy." During this decade, the Teapot Dome scandal was exposed, Charles Lindbergh flew non-stop across the Atlantic, and the major stock market crash on Black Tuesday happened. For 10 points, name this decade in American history known as "roaring."

ANSWER: the 19**20**s

23. **Dirck van Baburen and Gerrit van Honthorst belonged to a Utrecht-based group of imitators of this artist. In one of this man's paintings, a red-robed Jesus reaches a hand out towards the viewer over a precariously placed basket of fruit. A boy with a dagger holds a four of clubs behind his back in this man's *The* (\*)***Cardsharps*. This artist of *The Supper at Emmaus* depicted a stream of light descending on the title tax collector in another painting. For 10 points, name this painter of *The Calling of Saint Matthew*, anItalian Baroque master of chiaroscuro*.*

ANSWER: Michelangelo Merisi da **Caravaggio**

**HSAPQ Tournament #53**

**Packet 13 Bonuses**

1. This organization used "Occupy" and "progressive" as flag words. For 10 points each:

[10] Identify this bureau of the Department of the Treasury, which in 2013 revealed that it had singled out certain political groups applying for tax-exempt status.

ANSWER: **IRS** [or **Internal Revenue Service**]

[10] This Attorney General, who was held in contempt for withholding documents pertaining to the investigation of Operation Fast and Furious, ordered an FBI probe into the IRS.

ANSWER: Eric **Holder** [or Eric Himpton **Holder**, Jr.]

[10] The head of IRS's section on tax-exempt organizations, Lois Lerner, was criticized for attempting to perform this action after making a statement during the Congressional investigation of the scandal.

ANSWER: **pleading the Fifth** Amendment [or obvious equivalents, like **invoking the Fifth** Amendment; or **refusing to testify**]

2. The photographer Fernando Pereira was aboard this ship when two explosives sank it. For 10 points each:

[10] Name this ship operated by Greenpeace, which was sunk off the coast of New Zealand in 1985.

ANSWER: ***Rainbow Warrior***

[10] Agents from this country carried out Operation Satanique to sink the *Rainbow Warrior*. That operation was authorized by its former president, François Mitterrand.

ANSWER: **France** [or **French Republic**; or **République française**]

[10] The *Rainbow Warrior* was deployed to protest these events, which the French carried out at Moruroa. The United States conducted these events at Bikini Atoll in the Marshall Islands.

ANSWER: **nuclear test**s [or obvious equivalents]

3. In one novel by this author, the narrator goes to Africa after his shouting literally frightens his housekeeper to death. For 10 points each:

[10] Name this Jewish author of *Henderson the Rain King* who wrote of an "American, Chicago born" in *The Adventures of Augie March*.

ANSWER: Saul **Bellow** [or Solomon **Bellows**]

[10] In this Bellow novel, the title character tries to get custody of his daughter Junie and imagines writing letters to various famous people.

ANSWER: ***Herzog***

[10] The title character of Bellow's *Mr. Sammler's Planet* survived this event by crawling out of a mass grave. Anne Frank died during this event, which is the subject of *Night* by Elie Wiesel.

ANSWER: the **Holocaust** [or **Shoah**]

4. Antoine Doinel frequently skips school in one of this director’s films. For 10 points each:

[10] Name this director who depicted Catherine’s friendship with the title characters in *Jules and Jim*. He also directed *The 400 Blows*.

ANSWER: Francois **Truffaut**

[10] Truffaut was a part of this European nation’s “New Wave” movement. Other directors from this country include Jean Renoir and Jean-Luc Godard.

ANSWER: **France** [or **French Republic**; or **Republique francaise**]

[10] Jean Renoir’s *The Rules of the Game* is set in the build up to this multinational conflict, also the backdrop to *Casablanca* and *Schindler’s List*.

ANSWER: **World War II** [or **WWII**]

5. This object is seen underneath the Mannen Bridge and in the proximity of two yellow boats being tossed around in the water in two paintings. For 10 points each:

[10] Name this mountain, of which “36 Views” were made by nineteenth century Japanese artist.

ANSWER: Mount **Fuji** [or **Fuji**-san]

[10] This aforementioned Japanese painter included the *Great Wave of Kanagawa* in his collection *36 Views of Mount Fuji*.

ANSWER: Katsushika **Hokusai** [or **Katsushika** Hokusai]

[10] Katsushika Hokusai worked in this genre of woodblock prints, whose name means “pictures of the floating world.” Kabuki actors and scenes from history were frequent topics of prints in this genre.

ANSWER: **ukiyo-e**

6. Its third generation better controls acne and facial hair, but increases risks of blood clots. For 10 points each:

[10] Name this type of hormonal contraception to be taken daily to regulate periods. It includes a combination of an estrogen, such as ethinyl estradiol, and a progestin, such as desogestrel.

ANSWER: the birth control **pill** [do not accept "minipill"] 10] Hormonal birth control can help manage the pain of a disease in which cells from this tissue migrate outside the uterus. In the menstrual cycle, it thickens up to menstruation, when it sheds.

ANSWER: **endometrium**

[10] Birth control can control polycystic ovary syndrome, which is associated with resistance to this hormone and can be treated with metformin, which is also used to treat Type 2 diabetes.

ANSWER: **insulin**

7. This treatise used the term “virtu” to describe all the qualities a good leader needed. For 10 points each:

[10] Name this political treatise that, instead of emphasizing the importance of being a moral ruler, claimed a ruler should do whatever was necessary to maintain power.

ANSWER: *The* ***Prince*** [or *Il* ***Principe***]

[10] This Italian statesman wrote *The Prince*, as well as *Discourses on Livy*.

ANSWER: Niccolo **Machiavelli**

[10] This other sixteenth century Italian book served as a guide for how nobles should behave. It was written by Baldassare Castiglione and emphasized “sprezzatura.”

ANSWER: *The Book of the* ***Courtier*** [or *Il* ***Cortegiano***]

8. This poem ends, “Thy firmness makes my circle just and makes me end where I begun.” For 10 points each:

[10] Identify this poem which uses the analogy of “stiff twin compasses” to describe two lovers. Its speaker urges them to melt and “make no noise.”

ANSWER: “A **Valediction: Forbidding Mourning**”

[10] “A Valediction: Forbidding Mourning” was written by this English metaphysical poet who also wrote the *Holy Sonnets* and “The Bait.”

ANSWER: John **Donne**

[10] One poem by Donne is titled after this astronomical entity “rising” and describes it as “a busy old fool.” Robert Louis Stevenson wrote about this entity’s “golden fingers” in another poem.

ANSWER: the **sun**

9. Groups whose binary operation has this property are called Abelian. For 10 points each:

[10] Name this property that an operation has if changing the order does not change the result. For the real numbers, addition and multiplication have this property but subtraction does not.

ANSWER: **commutativity** [or **commutative** property; or word forms]

[10] This vector operation is not commutative. Its result is a vector perpendicular to both vectors being operated on; that vector's direction can be found with the right-hand rule.

ANSWER: **cross** product [prompt on vector **product**; do not accept "dot product"]

[10] The cross product is called anticommutative because the product of A cross B equals this scalar times B cross A.

ANSWER: **negative one** [or obvious equivalents, such as **minus one**; do not accept or prompt on "one"]

10. This composer included a tribute to Bach’s “Air on a G String” in his *Holberg Suite*. For 10 points each:

[10] Name this Norwegian composer of the 66 *Lyric Pieces*. Another of his compositions contains “In the Hall of the Mountain King.”

ANSWER: Edvard **Grieg**

[10] Grieg is best known for his incidental music to this Henrik Ibsen play, which contains “In the Hall of the Mountain King.”

ANSWER: ***Peer Gynt***

[10] Grieg wrote a piano concerto in A minor, as did this other German composer, who depicted his calm and stormy alter egos, Eusebius and Florestan, in his suite *Carnaval*.

ANSWER: Robert **Schumann**

11. This actor starred as Dale on the British sitcom *Cuckoo*. For 10 points each:

[10] Name this actor who rose to fame by starring in *Saturday Night Live*’s most popular “digital shorts,” including “I’m On A Boat,” with his group The Lonely Island.

ANSWER: Andy **Samberg** [or David A.J. ‘Andy’ **Samberg**]

[10] Samberg won a Golden Globe for his current role as Detective Jake Peralta on this Fox show about police officers that also features Andre Braugher.

ANSWER: ***Brooklyn Nine-Nine***

[10] This actor portrays Sergeant Jeffords on *Brooklyn Nine-Nine*. Previously, he played Chris’s father Julius on *Everybody Hates Chris*. He also appears in ads for Old Spice.

ANSWER: Terry **Crews**

12. These devices are depicted in circuit diagrams as coils of wire. For 10 points each:

[10] Name these circuit elements that store energy in magnetic fields.

ANSWER: **inductor**s

[10] Inductors resist changes in this quantity, which is defined as the rate of change of electric charge. It is measured in amperes.

ANSWER: **current**

[10] A transformer uses two inductors situated near one another to take advantage of this phenomenon, in which a change in current through one inductor induces a voltage in the other.

ANSWER: **mutual** induction

13. Thomas Dekker wrote the *Satiromastix* during a "war" named for these locations. For 10 points each:

[10] Identify these locations, which included the Globe and the Rose. People called "groundlings" could pay a penny to watch performances while standing in these locations.

ANSWER: **theatre**s [or **playhouse**s]

[10] Dekker's *Satiromastix* pokes fun at this Elizabethan playwright of *The Alchemist*.

ANSWER: Ben **Jonson**

[10] This prominent actor played the leading roles in several of Jonson's plays and organized the construction of The Globe after his company was denied entry to Blackfriars Theatre.

ANSWER: Richard **Burbage**

14. This corporation was known as the “Standard Railroad of the World,” and paid out dividends to its shareholders for over one hundred continuous years. For 10 points each:

[10] Name this railroad, whose achievements included the GG1 locomotive and the Horseshoe Curve in Altoona.

ANSWER: **Pennsylvania** Railroad

[10] In 1968, the Pennsylvania Railroad merged with the New York Central, which was built up by this “Commodore” and namesake of a Tennessee university.

ANSWER: Cornelius **Vanderbilt**

[10] Railroad magnates James Fisk and Jay Gould caused the 1869 Black Friday affair by attempting to corner the market on this substance, whose “standard” the U.S. left in 1971.

ANSWER: **gold**

15. This person comes up with a riddle after eating honey from the carcass of a lion. For 10 points each:

[10] Name this judge who is betrayed by Delilah and subsequently loses his power when his hair is cut.

ANSWER: **Samson** [or **Shimshon**]

[10] These people are the main enemy of Samson. They steal the Ark of the Covenant when the prophet Samuel is a youth, and a giant one of them named Goliath is killed by David.

ANSWER: **Philistine**s

[10] Samson kills a thousand Philistines using the jawbone of this animal. A talking one of them rebukes Balaam on his journey to Moab.

ANSWER: **donkey** [or **ass**]

16. This war began after Edward III claimed the throne of France from Philip VI. For 10 points each:

[10] Name this long-lasting war between England and France, which ended when England renounced its claim at the treaty of Picquigny.

ANSWER: the **Hundred Years**’ War [or la Guerre de **Cent Ans**]

[10] An early English victory was at this 1346 battle, where Edward’s longbowmen, on their way to Calais, decimated the French Army.

ANSWER: Battle of **Crecy**

[10] Another English victory was at this naval battle, in which merchant ships conscripted into service by Edward defeated a French navy in 1340, keeping land fighting out of England.

ANSWER: Battle of **Sluys** [or Battle of **l’Ecluse**]

17. This son of Lugalbanda was two-thirds divine. For 10 points each:

[10] Name this Babylonian hero, a king of Uruk who defeated Humbaba with his friend Enkidu.

ANSWER: **Gilgamesh** [or **Bilgames**h]

[10] After Gilgamesh rejected Ishtar’s advances, she persuaded Anu to send this animal to ravage the land. After Gilgamesh and Enkidu kill this animal, the gods decide to kill Enkidu.

ANSWER: **Bull** of Heaven [or **Gugalanna**]

[10] Utnapishtim told Gilgamesh where to find a plant of immortality, but one of these animals steals it. After eating the plant, these animals are able to periodically shed skin.

ANSWER: **snake**s

18. This novel opens with a section called “Overture,” which ends with the protagonist consuming a madeleine. For 10 points each:

[10] Name this long French novel series including *Swann’s Way* and *Time Regained*. Its narrator befriends Gilberte, the daughter of Odette.

ANSWER: ***In Search of Lost Time*** [or ***Remembrance of Things Past***; ***A la Recherché du Temps Perdu***]

[10] *In Search of Lost Time* was written by this sickly French novelist.

ANSWER: Marcel **Proust**

[10] At the beginning of *In Search of Lost Time*, its narrator notes that for a long time, he used to perform this action early. Rip Van Winkle does this for twenty years.

ANSWER: **sleep**ing [or obvious equivalents]

19. PUT A CHEMISTRY BONUS HERE

20. This city’s F Market And Wharves line, unlike the rest of its light rail lines, is run using heritage PCC streetcars from across the world. For 10 points each:

[10] Name this American city whose public transportation is provided by Muni and includes the BART, which can be taken across the bay to Oakland.

ANSWER: **San Francisco**

[10] F Market And Wharves runs along Market Street and this waterfront boulevard built on top of a seawall along San Francisco’s northeast shoreline.

ANSWER: The **Embarcadero**

[10] San Francisco’s Powell-Hyde line is one of the three lines of this type still in operation. These vehicles are operated by a gripman and are related to funiculars.

ANSWER: **cable car**s

21. Name these phases of the cell cycle and mitosis, for 10 points each.

[10] This phase accounts for around ninety percent of the cell cycle, and is split into first gap, second gap, and synthesis phases. Cell growth and DNA replication occur in this phase.

ANSWER: **interphase**

[10] In this longest phase of mitosis, the condensed chromosomes convene on the namesake plate. A fully developed microtubule spindle pole is connected to the kinetochores of the chromosomes in this phase.

ANSWER: **metaphase**

[10] This last phase of the cell cycle overlaps with telophase, and describes the division of cytoplasm. This phase is defined by a cleavage furrow in animal cells and a cell plate in plant cells.

ANSWER: **cytokinesis**