

Early Release Introductory Set (ERIS)

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Packet 3

Tossups:

1. **A symbol of this religion includes a double-edged sword and a chakram and is called the khanda. If members of this religion are initiated into the Khalsa, they must carry a dagger and comb to follow the 5 Ks. This religion's holy book, the (*)** Adi Granth, is considered its last guru. Guru Nanak founded, for 10 points, what Indian religion common in Punjab, whose members are known for wearing turbans?

ANSWER: **Sikhism** [or **Sikhi**] <Kher, Religion>

2. **This structure contains flippases, scramblases, and aquaporins, which allow for transport across it. The fluid mosaic model was developed to describe this cellular structure, which comprises a phospholipid (*)** bilayer and separates the cytoplasm from the extracellular fluid. For 10 points, name this semipermeable structure that surrounds the cell.

ANSWER: cell **membrane** [do NOT accept or prompt on "cell wall"] <Sethi, Science>

3. **In one novel by this author, Humpty Dumpty celebrates his "unbirthday" before his untimely fall. The line "Twas brillig, and the slithy toves / did gyre and gimble in the wabe" opens this author's nonsense poem (*)** "Jabberwocky." *Through the Looking-Glass* is the sequel to this man's most well-known work. For 10 points, identify this author of *Alice's Adventures in Wonderland*.

ANSWER: Lewis **Carroll** [or Charles Lutwidge **Dodgson**] <Kang, Literature>

4. **While docked in this modern-day country, the USS *Maine* exploded, prompting the US to enter the Spanish-American War. Many refugees from this country traveled north to Florida by boat. This country's leader Fulgencio (*)** Batista was deposed in 1959 in favor of Fidel Castro. Guantanamo Bay is leased by the United States from, for 10 points, what Caribbean island nation led from Havana?

ANSWER: **Cuba** <Cui, History>

5. *Note to players: description acceptable.* **Juliek (YOO-lee-eck) and Moshe the Beadle appear in a novel that takes place in these locations. An author who died in one of these locations wrote the line "In spite of everything I still believe that people are really good at heart" in the (*)** diary she kept in Amsterdam. Elie Wiesel's *Night* is set in and Anne Frank died in one of, for 10 points, what places which included Auschwitz (**ow-shvitz**)?

ANSWER: **concentration camps** [accept anything indicating [Nazi] **death camp** or other obvious equivalents] <Young, Literature>

6. **Following this event, thousands of people were stranded in Canadian cities like Gander, Newfoundland by Operation Yellow Ribbon. The passengers of United Airlines Flight 93 forced it to (*)** crash-land in Shanksville, Pennsylvania during this event. Al-Qaeda perpetrated, for 10 points, what deadliest terrorist attack in US history, which destroyed the Twin Towers?

ANSWER: **September 11th** terrorist attacks [or **9/11**; accept any answer indicating that **terrorists hijacked airplanes** and **flew them into** either the **World Trade Center** or the **Pentagon**; do not accept or prompt on "World Trade Center bombing", as that usually refers to a separate attack that occurred in 1993] <Singh, History>

7. **These objects may be "seeded" using a small pellet of silver iodide. Their unusual mammatus type is caused by strong updrafts, and these objects are formed when air temperature moves below the dew point in the (*)** stratosphere. Rain, snow, and other precipitation are formed by the condensation of water vapor in, for 10 points, what large masses of air which may block out the sun?

ANSWER: **clouds** [prompt on **storms** before "mammatus" by asking "what physical objects comprise the storm?"; prompt on answers indicating **rain** or **precipitation** or similar before "mammatus" by asking "from what objects does the rain originate?"] <Karpov, Science>

8. **This term is used for a pipe in a bagpipes whose note does not change as the pipes are played. Bees described by this word are haploid, do not have stingers, and are the only male bees. In April 2019, London Gatwick Airport was (*)** shut down by one of these objects flying around it. The U.S. military has conducted "strikes" using, for 10 points, what unmanned flying vehicles?

ANSWER: **drones** <McAvoy-Bickford, Miscellaneous>

9. **This country contains a man-made island chain shaped like a map of the world. An airline based in this country sponsors the soccer team Arsenal, whose stadium is named after it. Another airline in this country, Etihad, is based in its city of (*)** Abu Dhabi. The world's tallest skyscraper, the Burj Khalifa, is found in, for 10 points, what country whose largest city is Dubai?

ANSWER: **United Arab Emirates** [or the **UAE** or al-'**Imārāt** al-'Arabīyah al-Muttaḥidah; prompt on **Emirates**] <Kher, Geography>

10. **August Burns [this color] in the name of one band, and Anthony Kiedis fronts another band whose name contains this color. In one film, Sean Connery plays the Lithuanian captain of a submarine partially named for this color. Henry Fleming flees the battlefield in a Stephen (*)** Crane book titled for a "Badge of Courage" of, for 10 points, what color which appears along with white on the Canadian flag?

ANSWER: **red** [accept August Burns **Red**, the **Red** Hot Chili Peppers, *The Hunt for **Red** October*, or *The **Red** Badge of Courage*] <Young, Miscellaneous>

11. **Spartacus led a slave rebellion which rappelled down this mountain to win a battle. The ancient city of Herculaneum was located near this mountain. Pliny the Elder died during a natural disaster caused by this (*)** volcano, whose eruption buried an ancient Roman city in volcanic ash, preserving it. For 10 points, name this volcano which destroyed Pompeii.

ANSWER: Mount **Vesuvius** <Rameshbabu, History>

12. **In uniform circular motion, this quantity always points radially inward. This quantity is the second derivative of displacement with respect to time, and it equals zero when the forces acting on an object are (*)** balanced. Newton's 2nd law states that force equals mass times this quantity. For 10 points, what quantity is measured in meters per second squared and describes the change in velocity?

ANSWER: **acceleration** <Gunter, Science>

13. **This war began shortly after the strongly Catholic Ferdinand II was elected as Holy Roman Emperor, and some of his representatives were thrown out a window by Bohemian Protestants. This war was ended by the Peace of (*) Westphalia, and it curtailed the power of the Catholic Habsburgs.** For 10 points, name this Central European war that lasted from 1618 to 1648 and is named for that amount of time.
ANSWER: Thirty Years' War <Cui, History>

14. **A scientist from this country believed that one variety of wheat could be transformed into another variety by planting during a different season, a theory supported by its leader. This country's nuclear program detonated the (*) Tsar Bomba nuclear bomb, and it launched the first satellite, Sputnik.** For 10 points, Yuri Gagarin was from what country which rivaled the US in the "space race"?
ANSWER: Soviet Union [or the USSR, or the Union of Soviet Socialist Republics, or the Sovetsky Soyuz, or the Soyuz Sovetskikh Sotsialisticheskikh Respublik, or the SSSR or CCCP; prompt on Russia; prompt on Ukraine because Trofim Lysenko was from Ukraine] <McAvoy-Bickford, Science>

15. **One character in this play is repeatedly called the "Prince of Cats" by his frequent enemy. The female protagonist of this work receives a sleeping potion from a (*) friar, although her lover believes her to be dead and commits suicide out of grief. The Montague and Capulet families are at odds in, for 10 points, what Shakespeare tragedy about two "star-cross'd lovers"?**
ANSWER: Romeo and Juliet <Gjesfeld, Literature>

16. **One work by this composer consists of 30 variations on an aria, of which every third variation is a canon. This composer wrote 24 preludes and fugues, one for every key, in *The (*) Well-Tempered Clavier*.** For 10 points, name this Baroque composer of Toccata and Fugue in D minor, the Goldberg Variations, and the Brandenburg Concerti.
ANSWER: Johann Sebastian Bach [or J. S. Bach; prompt on Bach or J. Bach or Johann Bach; do not accept or prompt on "Johann Christian Bach" or "J.C. Bach"] <Sarma, Fine Arts>

17. **This state's Dutch Harbor is the busiest fishing port in America and a center for the crab industry. This state's city of Nome is the finish line of the yearly Iditarod sled-dog race. The (*) Aleutian Islands, off the west coast of this state, form the southern end of the Bering Sea.** For 10 points, name this state home to Fairbanks, Anchorage, and the capital of Juneau.
ANSWER: Alaska <Stewart, Geography>

18. **This man's sword had a scabbard which prevented its wearer from bleeding from any wounds. This man was mortally wounded despite defeating Mordred at the Battle of Camlann. This son of Uther (*) Pendragon was served by the wizard Merlin and the Knights of the Round Table.** For 10 points, what legendary English king wielded Excalibur and pulled a sword from a stone?
ANSWER: King Arthur [or Arthur Pendragon; prompt on Pendragon until it is read] <Gollamudi, Mythology>

19. **Groups are examples of these mathematical objects endowed with a binary operation fulfilling certain properties. A symbol that looks like a circle with a line through it is commonly used to denote an "empty" one of these objects which has no (*) elements.** The intersection and union operations can be performed on, for 10 points, what collections of objects?
ANSWER: sets <Kher, Mathematics>

20. One artwork from this country is titled *Fine Wind, Clear Morning*, and was created in its ukiyo-e style. A woodblock artist from this country depicted several suffering boats in *The Great Wave Off (*) Kanagawa*. That artist, Hokusai, created *36 Views of Mount Fuji*, a mountain in, for 10 points, what Asian country whose modern art includes graphic novels called *manga*?

ANSWER: **Japan** [or **Nippon**-koku or **Nihon**-koku] <Young, Fine Arts>

Bonuses:

1. Many religions have been practiced in India during its long history. For 10 points each:

[10] The emperor Akbar the Great repealed the *jizya*, a tax on all subjects of the Mughal Empire that did not adhere to this religion, which the Mughal Empire spread by building mosques.

ANSWER: **Islam** [accept **Muslims**; accept **Sunni** Islam or **Shi'a** Islam]

[10] This Maurya Emperor converted to Buddhism after witnessing mass deaths in his bloody conquest of Kalinga, according to his "rock edicts."

ANSWER: **Ashoka** the Great [or **Ashoka** Maurya; accept **Asoka** in place of "Ashoka"]

[10] Vasco da Gama, an explorer from this country, spread Christianity in India after sailing to it by rounding the tip of Africa. Another explorer from this country almost completed his circumnavigation of the world, but was killed by Filipino natives.

ANSWER: Kingdom of **Portugal** <Kher, History>

2. Answer the following about a famed Chilean poet who also happened to be a very bad person, for 10 points each:

[10] Name this poet of *Canto General* who recounted raping a maid in his memoirs. He also abandoned his only child due to her severe birth defects, leaving her to die in the Netherlands with his estranged wife.

ANSWER: Pablo **Neruda** [or Neftalí **Reyes**, or Ricardo Eliécer Neftalí **Reyes** Basoalto]

[10] Neruda also may have participated in the first assassination plot of Leon Trotsky. Trotsky lost a power struggle to Josef Stalin after the death of this first leader of the Soviet Union.

ANSWER: Vladimir [Ilyich] **Lenin** [or V. I. **Lenin**, or Vladimir Ilyich **Ulyanov**]

[10] Neruda also allegedly plagiarized part of a collection partially named for 20 poems about this emotion. An Elizabeth Barrett Browning poem declares, "Let me count the ways" in which she feels this emotion.

ANSWER: **love** [or **amor**; accept *Twenty Love Poems and a Song of Despair*; accept "How do I **love** thee? Let me count the ways"] <Young, Literature>

3. This event was foreseen in a queen's dream in which she saw her child as a torch causing this event. For 10 points each:

[10] Describe this event, which Aeneas flees along with its survivors to go to Italy at the beginning of Virgil's *Aeneid*. A prophet named Cassandra warns of this event, but because of a curse from Apollo, nobody believes her.

ANSWER: the **fall** of **Troy** [accept clear-knowledge equivalents such as the **sacking** of **Troy**; accept **Iliupersis**; accept "**Ilium**" or "**Ilion**" in place of "Troy"; prompt on answers mentioning the **end** of the **Trojan War**]

[10] The sack of Troy occurs after Greek soldiers sneak into the city inside this large object, which they pretended to leave as a victory trophy.

ANSWER: the **Trojan Horse** [accept the **wooden horse** or any answers otherwise describing a **gigantic horse**; accept **douráteos híppos** or answers *in Greek* describing a gigantic horse; prompt on **horse**]

[10] The Trojan Horse is discussed in the *Odyssey*, an epic poem by this ancient Greek author who also wrote the *Iliad* about the Trojan War.

ANSWER: **Homer** [or **Homeros**] <Kher, Mythology>

4. This man coined the Freeport Doctrine in response to the Dred Scott case. For 10 points each:

[10] Name this Illinois senator who supported popular sovereignty and backed the Kansas-Nebraska Act. He ran for president in 1860, receiving electoral votes only from Missouri, which he won, and a "fusion ticket" in New Jersey.

ANSWER: Stephen [Arnold] **Douglas**

[10] Douglas was a member of this political party that today opposes the Republicans.

ANSWER: **Democratic** Party

[10] In 1858, Douglas ran for a Senate seat against this man, who gave the "House Divided" speech in a famous series of debates against him.

ANSWER: Abraham **Lincoln** <Sarma, History>

5. The Florence Cathedral was built despite the fact that, at the time, there was no known way to produce one of these structures large enough to finish it. For 10 points each:

[10] Name this type of architectural element. Many Russian churches contain numerous examples of their "onion" types.

ANSWER: a **dome**

[10] This architect designed the dome on top of the Florence Cathedral after it had spent almost a hundred years unfinished.

ANSWER: Filippo **Brunelleschi** (broo-nuh-LESS-kee)

[10] Another Italian Renaissance-era dome tops the St. Peter's Basilica, the most important church in this smallest country in the world. It is the home of the Pope and the headquarters of the Catholic Church.

ANSWER: **Vatican** City [State] [or the **Holy See**] <Tisdale, Fine Arts>

NOTE TO MODERATORS: DO NOT REVEAL ALTERNATE ANSWERS TO THE FIRST BONUS PART.

6. The "A" and "B" examples of one set of these structures are separated by the Cassini Division, which is caused by the gravitational pull of the moon Mimas. For 10 points each:

[10] Name these disks made of small chunks of rock and dust that surround certain planets.

ANSWER: planetary **rings** [accept **ring systems**; accept but DO NOT REVEAL rings of Saturn]

[10] The rings of this sixth planet from the sun are the most visible planetary rings in the Solar System.

ANSWER: **Saturn**

[10] The separation between the A and F rings of Saturn is named for this French astronomer. He also names the "limit" inside which a planet's moon will break up into a ring system.

ANSWER: Édouard **Roche** (roash) [accept **Roche** limit] <Kher, Science>

7. This man's brother won a silver medal for the Danish national soccer team at the 1908 Olympics before becoming an accomplished mathematician. For 10 points each:

[10] Name this Danish physicist who developed the Copenhagen interpretation. His namesake model of the atom consists of electrons orbiting a nucleus.

ANSWER: Niels **Bohr**

[10] Bohr proposed his model of the atom with Ernest Rutherford, whose namesake experiment involved firing these particles at a gold foil.

ANSWER: **alpha** particles [or **helium nuclei**; prompt on **helium atoms**]

[10] The Copenhagen interpretation was rejected by Erwin Schrödinger, who is better known for formulating a thought experiment in which one of these animals is both alive and dead at the same time.

ANSWER: a **cat** [accept **Schrödinger's cat**] <Young, Science>

8. Following this man's death, his empire was divided among his three sons: Lothair, Pepin, and Louis II. For 10 points each:

[10] Name this ruler of the Franks who defeated the Lombards at the battle of Pavia and was crowned emperor by Pope Leo III.

ANSWER: **Charlemagne** [or **Charles I** or **Charles the Great** or **Charles le Grand** or **Karl Karling**]

[10] Pope Leo III crowned Charlemagne as the leader of a "Holy" empire with this name. An ancient empire with this name was ruled by emperors such as Augustus and Caligula from its namesake Italian city.

ANSWER: **Roman** [or word forms like **Rome**]

[10] Charlemagne's father, Pepin the Short, deposed the last king of this *previous* ruling dynasty of the Franks known for their long hair. This dynasty ruled between the 5th and 8th centuries, and its first Christian king was Clovis I.

ANSWER: **Merovingian** dynasty [or the **Merovingi**, or the **Merohingii**] <Karpov, History>

9. The dying words of this country's last emperor were "Viva [this country], viva la independencía!". For 10 points each:

[10] Name this country whose Habsburg emperor, Maximilian I, was installed by Napoleon III before being overthrown and executed in Querétaro City.

ANSWER: **Mexico** [or the Second **Mexican Empire** or el Segundo **Imperio Mexicano**]

[10] The death of the emperor was depicted in this artist's *The Execution of Emperor Maximilian*. This man also painted *Luncheon on the Grass*.

ANSWER: Édouard **Manet** [do NOT accept or prompt on "Monet"]

[10] Both Napoleon III and Édouard Manet were from this country, which was also led by Napoleon Bonaparte.

ANSWER: **France** <Rameshbabu, Miscellaneous>

10. Buttonwoods are not part of this group of trees, but they often grow alongside them. For 10 points each:

[10] Name these halophytic trees which grow in saline and brackish water. The Sundarbans, formed by the Ganges Delta, are a very large forest of these trees.

ANSWER: **mangroves**

[10] Many mangroves grow by this state's "Keys", which include Key West and Key Largo. This southeastern U.S. state's major cities include Miami and Orlando.

ANSWER: **Florida**

[10] Mangroves also grow in this massive South Florida swamp that is formed by water flowing from Lake Okeechobee.

ANSWER: the **Everglades** <McAvoy-Bickford, Geography>

11. Answer the following about some controversies surrounding the 2020 Republican National Convention, for 10 points each:

[10] The convention featured a speech by Mark and Patricia McCloskey, two St. Louis lawyers who achieved national notoriety after taking this action during a Black Lives Matter protest. A description is acceptable.

ANSWER: they **pointed guns at the protesters** [accept any clear knowledge equivalents]

[10] Donald Trump may have violated the Hatch Act, a law regulating the use of public resources for political purposes, by delivering his nomination acceptance speech from this location. This official residence of the president is known for its address, 1600 Pennsylvania Avenue.

ANSWER: the **White House**

[10] The convention also was criticized for using this musician's song "Hallelujah" despite having explicitly been denied permission by his estate. A spokesperson for this man's estate said that if the RNC had instead requested to use his song "You Want It Darker", "we might have considered approval of that song".

ANSWER: Leonard **Cohen** <Sethi, Current Events>

12. In one novel by this author, the protagonist discovers that his father's job is to euthanize babies. For 10 points each:

[10] Name this author of *Gathering Blue*, *Messenger*, and *Son*, in addition to a book in which Jonas gains the ability to see colors over the course of the novel.

ANSWER: Lois **Lowry**

[10] Lowry wrote this novel, in which Jonas is selected as the Receiver of Memory. Its sequels include the aforementioned *Gathering Blue*.

ANSWER: *The **Giver***

[10] Lowry also wrote this historical fiction novel about Annemarie and her Jewish friend Ellen living in Nazi-era Denmark.

ANSWER: ***Number the Stars*** <Gjesfjeld, Literature>

13. This man devised an algorithm to find a greatest common factor between two numbers, as well as naming a formula to find the distance between two points. For 10 points each:

[10] Name this mathematician who formulated five postulates of a certain field of math in his book *Elements*, in which he also proved the infinitude of the primes.

ANSWER: **Euclid** of Alexandria [or **Eukleídes**]

[10] Euclid's *Elements* was primarily concerned with proofs in this kind of math. This field of math concerns points, lines, shapes, areas, and objects like circles and triangles.

ANSWER: **geometry**

[10] Non-Euclidean geometry violates this one of Euclid's postulates, which states that given a line L and a point P not on that line, exactly one line through P has the namesake property with respect to L.

ANSWER: **parallel** postulate [or **Playfair's axiom**, or Euclid's **fifth** postulate] <Karpov, Mathematics>

NOTE TO MODERATORS: DO NOT REVEAL ALTERNATE ANSWERS TO THE FIRST BONUS PART.

14. A traditional Catholic prayer calls this woman "full of grace". For 10 points each:

[10] Name this woman who was born free of original sin, according to the doctrine of the Immaculate Conception.

ANSWER: **Mary** [or **Maria** or **Miriam** or **Maryam**, accept but DO NOT REVEAL answers like the **Virgin Mary**]

[10] Catholic dogma holds that Mary was endowed "perpetually" with this property. Christians believe that Mary conceived Jesus through the Holy Spirit and therefore maintained this quality despite Jesus's birth.

ANSWER: **virginity** [accept any obvious equivalents like **chastity** or **celibacy**]

[10] The doctrine of the Assumption, meanwhile, holds that rather than dying normally, Mary had this kind of event happen to her. Jesus and the prophet Elijah also had this sort of event happen to them at the end of their earthly lives. A description is acceptable.

ANSWER: they **ascended** bodily **to heaven** [accept any answers indicating that they **entered heaven alive** or similar; prompt on **ascension** by asking "to where?"] <McAvoy-Bickford, Religion>

15. This element is an important component of Pyrex glass. For 10 points each:

[10] Name this group 13 element that has atomic number 5, the lightest metalloid.

ANSWER: **boron**

[10] Boron only needs 6 electrons in its valence shell to be stable, violating this law, which says that an element is stable when its valence shell is filled with 8 electrons.

ANSWER: **octet** rule

[10] The octet rule can be tracked using dot diagrams named for this chemist. This man also names a definition of acids as electron pair acceptors.

ANSWER: Gilbert [Newton] **Lewis** [accept **Lewis** dot diagram[s] or **Lewis** structure[s]] <Sethi, Science>

16. The dying words of one of this author's characters as he is crushed to death are "More weight!" For 10 points each:

[10] Name this American playwright of *The Crucible* and *Death of a Salesman*, the latter of which depicts Willy Loman's relationship with his family.

ANSWER: Arthur [Asher] **Miller**

[10] Near the end of *Death of a Salesman*, Willy Loman dies in this manner. The authors Ernest Hemingway and Hunter S. Thompson both died in this manner after shooting themselves in the head.

ANSWER: dying by **suicide** [accept any answers indicating that he **killed himself**]

[10] Joe Keller, the protagonist of this other Arthur Miller play, kills himself out of guilt after allowing defective parts to be shipped, resulting in the death of 21 pilots.

ANSWER: **All My Sons** [The name of the musical duo Twenty One Pilots is a reference to this play.] <Young, Literature>

17. For 10 points each, name these people who signed the Declaration of Independence:

[10] Benjamin West painted a fanciful depiction of this man "Drawing Electricity from the Sky", in reference to his flying a kite in a thunderstorm.

ANSWER: Benjamin **Franklin**

[10] As President of the Continental Congress, this person presumably signed the Declaration of Independence first, and did so in a famously large and flamboyant manner.

ANSWER: John **Hancock**

[10] This signee would later become the governor of Massachusetts and the fifth vice president, and his last name would become part of a term for drawing congressional district boundaries for political aims.

ANSWER: Elbridge **Gerry** [accept **gerrymandering**] <Tisdale, History>

18. *Marbury v. Madison* gave this body the power of judicial review. For 10 points each:

[10] Name this judicial body which consists of eight Associate Justices and a Chief Justice, although its composition of nine members is not actually required by the Constitution.

ANSWER: **Supreme Court** [or **SCOTUS**]

[10] The Supreme Court establishes binding precedent according to the principle of common law, which is observed by the federal government and 49 U.S. states. This state, however, observes a civil law system based on the legal code of Napoleonic France.

ANSWER: **Louisiana**

[10] The Supreme Court rules on disputes between states, such as a 2002 case finally settling a border dispute between these two states over an island in the Piscataqua River containing Portsmouth Naval Shipyard.

ANSWERS: **Maine** and **New Hampshire** <Sarma, Social Science>

19. The British music magazine *NME* named this band's debut album, *Is This It*, as the best album of the 2000s. For 10 points each:

[10] Name this alt-rock band who included songs like "Brooklyn Bridge to Chorus" and "Ode to the Mets" on their aptly-named 2020 album *The New Abnormal*.

ANSWER: The **Strokes**

[10] Strokes frontman Julian Casablancas collaborated with this French band on the song "Instant Crush". Their other songs include "Harder, Better, Faster, Stronger", "One More Time", and "Get Lucky", the latter of which appeared on their album *Random Access Memories*.

ANSWER: **Daft Punk**

[10] Casablancas's side project The Voidz released the album *Virtue* in 2018, which includes a song titled for an ocean of this color. A band partially named for this color released albums such as *The Dark Side of the Moon* and *The Wall*.

ANSWER: **pink** [accept **Pink** Floyd; accept "**Pink** Ocean"] <Young, Popular Culture>

20. This virus is the only one in the genus Lentivirus to infect humans, and can be treated with drugs that inhibit CD4-Positive cells. For 10 points each:

[10] Name this sexually-transmitted virus. Patients who suffer from it often experience Kaposi's sarcoma, and it may eventually lead to AIDS.

ANSWER: **HIV** [or **human immunodeficiency virus**; accept **HIV/AIDS**]

[10] This bacterial disease is one of the most common causes of death for AIDS patients. This disease was historically known as consumption and infects the lungs.

ANSWER: **tuberculosis** [or **TB**]

[10] HIV is a member of this class of viruses. They insert a copy of their genome into the DNA of their host cells by using reverse transcriptase, an enzyme which transcribes RNA into DNA.

ANSWER: **retroviruses** [accept **retroviral**] <Karpov, Science>