

1. **According to Pliny, Zoroaster lived on this food while in the wilderness. Varieties of this food from China include Rushan and Rubing. The term "Friulano" is exclusively used in Canada for one type of this food, other types of which include the Norwegian gjetost and the French chevre. It is created using the enzyme rennet, which causes the coagulation of (\*) casein, a protein found in milk. For 10 points, name this food whose varieties include Stilton and Gouda.**

ANSWER: cheese

024-10-23-12102

2. **One holder of this position wrote the *Forty-Two Articles*, which were the basis for the *Thirty-Nine Articles* that this position upholds. One holder of this position was so unpopular that his guards let rebels during Wat Tyler's Revolt storm his residence and kill him. The first holder of this position was not from Hippo, but was named (\*) Saint Augustine. Another holder of this position was killed after Henry II asked his knights to rid him of a "meddlesome priest." For 10 points, name this position held by Thomas Cranmer and Thomas Becket.**

ANSWER: Archbishop of Canterbury [prompt on partial answer]

026-10-23-12103

3. **At the end of this story, the protagonist decides, "He had never slept in a better bed." The protagonist of this story drops his pipe into the sea, then falls in himself when he attempts to retrieve it; afterward, he ends up on Ship Trap Island. In this story, a trap composed of a knife attached to a young sapling kills the giant Cossack, Ivan. Rainsford, this story's protagonist, meets a hunter yearning for more exciting (\*) quarry than jaguars and buffalo. For 10 points, name this short story by Richard Connell, in which General Zaroff hunts man.**

ANSWER: "The Most Dangerous Game"

080-10-23-12104

4. **The citizens of a certain town cover their heads with sackcloths upon hearing what this person has to say, and that person gets upset after a plant that has sprung up overnight is destroyed by a worm. His companions decide to cast lots to find who is responsible for a storm while they are at (\*) sea, and this son of Amittai flees to Tarshish and Joppa at the beginning of his namesake book. For 10 points, name this prophet who, after refusing to go to Ninevah, was swallowed by a giant whale.**

ANSWER: Jonah

085-10-23-12105

5. **One character in this work gives scarlet fever to Caroline Beaufort, the main character's mother. The frame story of this novel consists of letters to Margaret Saville from her brother, Robert Walton, who is on a ship headed to the North Pole. This work's main character studied under Waldman and Krempe at Ingolstadt, where he abandons alchemy in favor of the natural sciences, only to use a mysterious spark to (\*) animate a new creature. For 10 points, name this novel by Mary Shelley about Victor and his monstrous creation.**

ANSWER: Frankenstein

003-10-23-12106

6. **With the USSR, this man sent troops to the Republican side of the Yemeni Civil War. He joined his country with Syria in the United Arab Republic. He joined Muhammad Naguib to depose King Farouk with the Free Officers Movement. This African co-founder of the Non-Aligned Movement lost the (\*) Six-Day War, built the Aswan High Dam, and nationalized the Suez Canal. For 10 points, name this man who preceded Anwar Sadat as President of Egypt during the 1960s.**

ANSWER: Gamal Abdel Nasser

079-10-23-12107

7. **This man composed a tone poem in which the title imp marries a girl in his underwater castle. This composer of a *Cello Concerto in B Minor* and *The Water Goblin* rose to fame when Fitz Simrock published his *Moravian Duets*. This composer of the “Dumky Trio” was inspired to compose a work with movements based on *The Song of Hiawatha* and (\*) African-American spirituals after a trip to Iowa. For 10 points, name this Czech composer of the “American” string quartet and the “New World” symphony.**

ANSWER: Antonin Dvorak (DVAWR-zhahk)

079-10-23-12108

8. **One section of these materials is known as the depletion zone. These materials are characterized by a small gap between the Fermi level and the valence band. Impurities are added to these materials in order to create either extra electrons or electron holes in the N- and P-types of these materials, respectively. That process is called (\*) doping. These materials, such as germanium and gallium arsenide, are used in electronic devices such as diodes and transistors. For 10 points, name these materials, such as silicon, that have electrical conductivity in between that of a conductor and an insulator.**

ANSWER: semiconductors

003-10-23-12109

9. **One character created by this author is outraged and disheartened when his opponent commits the sealed Move 121. This author of a series of brief tales called the *Palm-of-the-Hand* stories wrote about a student who becomes close with a family of entertainers in “The Dancing Girl of Izu.” In another of his novels, the businessman Shimamura has an (\*) affair with the geisha Komako in a hot spring town. For 10 points, name this Nobel prize winning Japanese author of *The Master of Go* and *Snow Country*.**

ANSWER: Yasunari Kawabata

015-10-23-12110

10. **When these bodies of water do not flow into seas, they are dubbed “endorheic” (en-duh-REE-ik). When a glacier carves a cirque (SURK) into a mountain, one of them called a tarn may form. Glaciers also cause a series of interconnected ones given the name “Paternoster” (PAY-ter-NOS-ter). They are studied by limnologists (lim-NOL-uh-jists). When a meander is cut off from a river, a U-shaped one called an (\*) “oxbow” or “billabong” is formed. For 10 points, name these bodies of water exemplified by Michigan and Superior.**

ANSWER: lakes

079-10-23-12111

11. **This man tried Draža Mihailovic, the leader of the Chetnik movement, which tried to undermine his authority. This man promoted "brotherhood and unity" among the six constituent nations that he ruled and announced himself "President for Life" in 1974. The only European founding member of the (\*) Non-Aligned Movement, this leader was expelled from the Cominform, signaling his split with Joseph Stalin. For 10 points, identify this Communist leader of Yugoslavia.**

ANSWER: Marshall Josip Broz Tito [or Josip Broz]

020-10-23-12112

12. **The protagonist of this novel works as a bellboy in a hotel, where he meets Hortense Briggs. A child is killed by a stolen car in which the protagonist is travelling, leading the protagonist to escape Kansas City and move to Lyncurgus, New York. The protagonist of this novel falls for Sondra Finchley despite being forced to marry another woman. Ultimately, (\*) Clyde is convicted after murdering Roberta Alden on a canoe ride. For 10 points, name this novel by Theodore Dreiser.**

ANSWER: An American Tragedy

024-10-23-12113

13. **This man published a 1629 translation of Thucydides' *History of the Peloponnesian War* into English. This man's works *De Corpore*, *De Homine*, and *De Cive* were to be part of this man's *Elements of Philosophy*. He described the causes of civil war in his book *Behemoth; or, The Long Parliament*. In another of his works, he described fear of violence as the reason for creating a state and described the natural state of men's lives as (\*) "nasty, brutish, and short." For 10 points, name this British philosopher who wrote *Leviathan*.**

ANSWER: Thomas Hobbes

030-10-23-12114

14. **Regions of this country include Glarus, St. Gallen, and Ticino. It includes the northern part of Lake Maggiore, and the largest lake entirely within this country is Lake Neuchâtel. Its namesake plateau lies between the Jura Mountains and the Alps. It shares Lake (\*) Constance with Germany and Austria, and it has four official languages, including Romansh. For 10 points, name this country which is divided into cantons and which is home to Geneva.**

ANSWER: Switzerland [or the Swiss Confederation]

024-10-23-12115

15. **This property can be calculated for a medium using an equation that takes a square root of the medium's ratio of specific heats, gas constant, and absolute temperature. When an object reaches this value for a medium, that object can experience choked flow and create a vapor cone. One equation involving this value places it in the denominator under the (\*) velocity of an object, with the outcome of that equation being named for an Austrian physicist. For 10 points, name this property that is about 340 meters per second at sea level and is equivalent to a velocity of Mach 1.**

ANSWER: speed of sound [or Mach 1 before it is read; prompt on Mach before it is read; do not accept or prompt on "Mach number"]

023-10-23-12116

16. **A mirror in this painting shows the reflection of one candle stick, but not another one which sits further away. Commissioned by the artist's patron Edward James, it bears resemblance to the artist's earlier *Not to be Reproduced*. This painting's mirror also shows the reflection of a black clock which is placed between the two (\*) candlesticks and reads a few minutes past 12:40. Depicted below that clock is a trail of steam from a locomotive that strangely appears out of the fireplace. For 10 points, name this surrealist painting by René Magritte.**

ANSWER: Time Transfixed [or La Durée poignardée]

040-10-23-12117

17. **One member of this group of compounds, which regulates the reaction of 5-hydroxytryptophan to serotonin, is pyridoxine. Another member of this group is present alongside pyruvate dehydrogenase in the reaction of pyruvate to acetyl-CoA in the buildup to the Krebs cycle. A deficiency of that compound was observed in chickens fed a diet of polished rice. Deficiencies of different members of this group can cause diseases like(\*) pellagra and beriberi. For 10 points, name this group of compounds that includes riboflavin and thiamin, which were discovered after vitamin A.**

ANSWER: B vitamins or B complex (prompt on "vitamins" before mentioned)

064-10-23-12118

18. **This building includes a painting that shows a priest and an Indian looking out of a window and seeing the enslavement of Native Americans, *Batholome de Las Casas. Columbus and the Indian Maiden* is found in its Brumidi Corridors. This building's sculpture *Car of History* leads into its Statuary Hall, and it was designed by Charles Bulfinch and (\*) Benjamin Latrobe. The fresco *The Apotheosis of Washington* hangs from the dome of this building's Rotunda. For 10 points, name this home of the United States Congress.**

ANSWER: United States Capitol

030-10-23-12119

19. **This conflict was preceded by the London Straits Convention. This conflict was instigated in part by concern over one side's upholding of the Treaty of Kuchuk Kainarji. One event during this war was the Massacre of Sinope. This war saw the first Siege of Sevastopol. During this war, the British Heavy Brigade made an attack at the Battle of (\*) Balaclava. For 10 points, name this 1850s war over a former Ottoman territory whose fighting inspired "The Charge of the Light Brigade."**

ANSWER: Crimean War

081-10-23-12120

20. **In a notable film performance, this song comforts children who are afraid of a thunderstorm. John Coltrane titled an album after this song, some of whose title objects include "bright copper kettles," "schnitzel with noodles," and "brown paper packages tied up with strings." The singer of this song likes to (\*) remember the title objects "when the dog bites" and "when the bee stings." For 10 points, name this song from *The Sound of Music* whose title entities are Maria von Trapp's best-loved objects.**

ANSWER: "My Favorite Things"

026-10-23-12121

21. **After this man was cast to sea with his mother in a wooden chest, the two were taken in by a fisherman named Dictys. It was the intentions of Dictys's brother Polydectes towards this man's mother that would eventually inspire him to go on his most notable quest after he was tasked with obtaining an impossible wedding present because he was too poor to afford a horse. That quest would lead him to acquire some winged sandals, a helm of invisibility, and a (\*) reflective shield, which would come in handy against his adversary's stone gaze. For 10 points, name this son of Danae who slew Medusa.**

ANSWER: Perseus

040-10-23-12122

22. The IS/LM model assumes that this value is zero. A sharp drop in supply results in the "cost-push" variety of this phenomenon, which is contrasted with the "demand pull" variety. The nominal interest rate and real interest rate are computed before and after adjusting for this phenomenon, particularly high values of which were experienced by the (\*) Weimar Republic and Zimbabwe. For 10 points, identify this phenomenon quantified by the change in the Consumer Price Index, a decrease in purchasing power corresponding to an increase in prices.

ANSWER: inflation

020-10-23-12123

23. One of this author's plays features the deathbed revelations of Andy, who describes the starkly contrasting relationship he has with his two sons, Fred and Jake, with that of his daughter Bridget. This author of *Moonlight* wrote a work in which a seemingly sexual encounter between Ruth and Joey occurs despite Ruth's marriage to Joey's brother Teddy. In another of his plays, Gus and Ben, two potential assassins, await (\*) instructions from the title device but are repeatedly disappointed. For 10 points, name this author of *The Homecoming* and *The Dumbwaiter*.

ANSWER: Harold Pinter

040-10-23-12124

1. In the follow-up to this event, one participant accused the other of "woolly thinking" concerning the islands of Quemoy and Matsu. For 10 points each:

[10] Name this event, the first of its kind to be televised, in which polls declared one participant the winner after the other was regularly shown sweating and with a five o'clock shadow.

ANSWER: first **Kennedy-Nixon** debate [or first **1960 presidential debate**; accept names in either order; accept reasonable equivalents]

[10] The nationally televised presidential debate did not return until this election year, which also saw the first televised vice presidential debate, between Walter Mondale and Bob Dole.

ANSWER: **1976**

[10] Those 1976 debates proved largely a disaster for this then-incumbent President, who during them inexplicably claimed that "there is no Soviet domination of Eastern Europe."

ANSWER: Gerald Rudolph **Ford** [or Leslie Lynch **King**]

003-10-23-12201

2. This man wrote biographies of ancient Romans and Biblical figures in his *On Illustrious Men*, and at his death he left unfinished another biography entitled *Africa*. For 10 points each:

[10] Name this 14th-century Italian poet who addressed most of his love poems to a mysterious Laura.

ANSWER: **Petrarch** [or Francesco **Petrarca**]

[10] Sometimes known as *Rime Sparse*, or *Scatter Rhymes*, this collection of 366 poems by Petrarch is largely about Laura.

ANSWER: *Il Canzoniere* [or *The Song Book*]

[10] A friend of Petrarch, this other poet is best known for writing about a group of ten people escaping the Black Death in Florence in his *The Decameron*.

ANSWER: Giovanni **Boccaccio**

083-10-23-12202

3. This woman and her husband, Pierre, discovered polonium and radium. For 10 points each:

[10] Name this winner winner of the 1911 Nobel Prize in Chemistry.

ANSWER: Marie **Curie** [or Maria **Skłodowska**]

[10] Joseph Priestley and Antoine Lavoisier both claimed to first discover this element, but the credit is usually given to Carl Wilhelm Scheele.

ANSWER: **oxygen**

[10] This man discovered silicon, cerium, and selenium.

ANSWER: Jöns Jacob **Berzelius**

001-10-23-12203

4. "On Banck the Usurer" and "To Sir Luckless Woo-all" are among this man's epigrams. For 10 points each:

[10] Name this British playwright who wrote about Old Knowell and his servant Brainworm's trip to London to spy on his son Edward Knowell and Wellbred in his play *Every Man in His Humour*.

ANSWER: Ben **Jonson**

[10] Ben Jonson wrote this play whose sly title character and his servant Mosca dupe the lawyer Voltore and the Corbaccio into giving him generous gifts in the hope of gaining the title character's inheritance.

ANSWER: **Volpone**

[10] Jeremy, AKA Face and Lungs, is Master Lovewit's butler in this play in which he and Dol Common swindle Abel Drugger and Epicure Mammon.

ANSWER: *The* **Alchemist**

030-10-23-12204

5. Inhabitants of this region wear traditional hats known as "Bollenhuts." For 10 points each:

[10] Name this arboreal region of Baden-Württemberg, also known for a namesake type of cake and for being heavily damaged due to air pollution and acid rain.

ANSWER: **Black Forest** [or **Schwarzwald**]

[10] This major European river, which flows through the capital cities of Belgrade, Budapest, Bratislava, Vienna, begins at the confluence of the Breg and Brigach Rivers in the Black Forest.

ANSWER: **Danube** River

[10] A major craft industry in the Black Forest is the production of these timekeeping devices. They are named for the resemblance of the sound of their chimes to the song of a certain bird.

ANSWER: **cuckoo clock** [prompt on **clock**]

003-10-23-12205

6. The protagonist of this short story has a horse named Gunpowder. For 10 points each:

[10] Name this short story by Washington Irving that sees Ichabod Crane disappear after being pursued by the Headless Horseman.

ANSWER: "The **Legend of Sleepy Hollow**"

[10] In the story, Ichabod competes with this character for the love of Katrina Van Tassel.

ANSWER: **Brom Bones** [or **Abraham Van Brunt**]

[10] Old Scratch tempts the title character with Captain Kidd's treasure in this short story by Irving. He becomes a money lender before his soul is taken by the demon.

ANSWER: "The **Devil and Tom Walker**"

001-10-23-12206

7. Answer these questions about the Roman Empire's reach into what is now Great Britain, for 10 points each.

[10] Stretching from Solway Firth to Segedunum, this 73 mile defensive structure was named after the third of the Five Good Emperors.

ANSWER: **Hadrian's Wall**

[10] Around 60 AD, this queen of the Iceni tribe in eastern Great Britain led an uprising against Roman forces that was suppressed at the Battle of Watling Street.

ANSWER: **Boudica** or **Boadicea**

[10] The major Roman conquest of Great Britain occurred under this Roman Emperor who came to power after the Praetorian Guard assassinated Caligula.

ANSWER: Tiberius **Claudius** Caesar Augustus Germanicus

064-10-23-12207

8. The vertical line test tests if a graph represents one of them. For 10 points each:

[10] Name this mathematical concept stated as  $f$  of  $x$ , in which every value in the set of inputs, called the domain, maps a single value in the set of outputs, called the range.

ANSWER: **function**

[10] A function has this property if it passes the horizontal line test, meaning every element in the domain is mapping no more than one element in the range and vice versa.

ANSWER: **injective** [or **injection**; or **one-to-one**; do not accept “bijective”; do not accept “surjective”; do not accept “one-to-one correspondence”; do not accept “onto”]

[10] For a given function  $f(x)$ , these are values of  $x$  such that  $f(x)$  equals  $x$ .

ANSWER: **fixed points** [or **invariant points**]

079-10-23-12208

9. Tunicates are members of this phylum. For 10 points each:

[10] Name this phylum that contains vertebrates such as jaguarundis, sarcastic fringeheads, and axolotls.

ANSWER: **Chordata** [**Chordates**]

[10] Chordates are members of this group of Bilaterians in which the blastopore eventual becomes the anus and a new opening becomes the mouth.

ANSWER: **deuterostomes**

[10] Early on, deuterotomes experience this form of cell division as opposed to the spiral method used in protostomes.

ANSWER: **radial** cleavage

001-10-23-12209

10. Although he was first interested in zoology, this man later became interested in psychology and during his time in Paris he created reading tests for children. For 10 points each:

[10] Name this Swiss psychologist who is better known for his four stages of cognitive development, which include the formal operational and concrete operational stages.

ANSWER: Jean **Piaget** (pee-ah-zhay)

[10] This is the first stage of Piaget’s theory of cognitive development; it sees children often make A-not-B errors.

ANSWER: **sensorimotor** stage

[10] Piaget suggested that during the sensorimotor stage children learn to grasp this concept, the understanding that even though an object cannot be seen or heard, it continues to exist.

ANSWER: **object permanence**

083-10-23-12210

11. This character worships the god Benamuckee, and is taught to address the man who teaches him English as "Master." For 10 points each:

[10] Name this man whose presence is first realized when another character sees his footprint in the sand.

ANSWER: **Friday**

[10] Friday is saved from death by the title shipwrecked sailor of this English author's novel *Robinson Crusoe*.

ANSWER: Daniel **Defoe**

[10] Defoe's periodical *The Review* helped inspire this author to write *The Tatler* along with Joseph Addison.

ANSWER: Richard **Steele**

004-10-23-12211

12. This city features a Congressional Palace with a bowl-shaped Chamber of Deputies, and was designed to look like an airplane from above. For 10 points each:

[10] Name this South American capital planned by Lucio Costa and Oscar Niemeyer.

ANSWER: **Brasilia**

[10] Oscar Niemeyer's teacher, Le Corbusier (core-BOO-see-ay), planned this capital city of Punjab in the wake of Pakistan's independence. It features the Open Hand Monument.

ANSWER: **Chandigarh** (SHAN-dee-gar)

[10] This other capital city includes diagonal boulevards as per Pierre L'Enfant's plan. Its National Mall features the Smithsonian Institution and the White House.

ANSWER: **Washington**, D.C.

082-10-23-12212

13. Across the street, a storefront with a cash register can be seen underneath a row of half-drawn blinds.

For 10 points each:

[10] Name this painting in which three people drink coffee in a diner underneath a sign for five-cent Phillies cigars.

ANSWER: **Nighthawks**

[10] *Nighthawks* was painted by this American artist, who showed a fire hydrant, a barber's pole, and a similar row of shops in *Early Sunday Morning*.

ANSWER: Edward **Hopper**

[10] Edward Hopper's teacher, Robert Henri, founded this artistic movement. Members, such as George Bellows and "The Eight," painted realistic depictions of the slums and poverty of New York.

ANSWER: **Ashcan** School

079-10-23-12213

14. Answer these questions about contemporary Indonesian history, for 10 points each.

[10] In 1999 Indonesia gave up control of this modern nation after a bloody occupation lasting since 1975. This nation has its capital at Dili.

ANSWER: **East Timor** [or Democratic-Republic of **Timor-Leste**; or Republika Demokratika **Timor Lorosa'e**; or Republica Democratica de **Timor-Leste**]

[10] After gaining independence from the Netherlands, Indonesia was first ruled by this advocate of "Guided Democracy" and co-founder of the Non-Aligned Movement.

ANSWER: **Sukarno**

[10] From 2001 to 2004, Indonesia was ruled by this woman, the country's first female president. She was succeeded by its current president, Susilo Bambang Yudhoyono.

ANSWER: Dyah Permata **Megawati** Setiawati Sukarnoputri

064-10-23-12214

15. The first season of this TV show was co-hosted by Brian Dunkleman and its current host. For 10 points each:

[10] Name this Fox TV show created by Simon Fuller that helped make famous General Larry Platt and William Hung.

ANSWER: **American Idol**

[10] This lead singer for Aerosmith was added as a judge for *American Idol*'s tenth season along with Jennifer Lopez.

ANSWER: Steven **Tyler** [or Stephen Victor **Tallarico**]

[10] This man won the ninth season of *American Idol* over Crystal Bowersox.

ANSWER: Lee **DeWyze** [or Leon James **DeWyze**, Jr.]

023-10-23-12215

16. For a sphere, this quantity equals two-fifths times mass times radius squared. For 10 points each:

[10] Name this quantity that is multiplied by angular acceleration to give torque.

ANSWER: **moment of inertia** [or **I**; prompt on **inertia**]

[10] This theorem states that moment of inertia around the namesake construct equals the moment of inertia at the center of mass plus the product of mass and the square of distance to that construct.

ANSWER: **parallel axis** theorem [or **Steiner's** theorem]

[10] The moment of inertia is one of these generalizations of a matrix to multiple indices. A matrix is a rank-2 version of these things.

ANSWER: **tensors**

003-10-23-12216

17. This event was instigated by Catherine de Medici six days after the marriage of her daughter. For 10 points each:

[10] Name this 1572 massacre of Huguenots that started in Paris.

ANSWER: **St. Bartholomew's Day** Massacre

[10] This man converted to Catholicism and fought in a war with Henry III and Henry of Guise before becoming king of France in 1589.

ANSWER: **Henry IV** of France [or **Henry of Navarre**; or **Henry III of Navarre**; or **Henry of Bourbon**; prompt on **Henry**]

[10] Henry IV signed this edict in 1598, which granted more religious and civil freedom to Huguenots.

ANSWER: Edict of **Nantes**

023-10-23-12217

18. Every four years many adherents of this religion attend the massive pilgrimage of Kumbh Mela. For 10 points each:

[10] Name this religion which holds the Ganges sacred, the third largest religion in the world.

ANSWER: **Hinduism**

[10] Hindus celebrate the return of Lord Rama in this five day festival of lights that usually occurs during October or November.

ANSWER: **Diwali** [or **Devali**]

[10] The most common form of worship in Hinduism are these rituals, which can range from simple daily rites to elaborate festivals held in temples.

ANSWER: **pujas**

015-10-23-12218

19. The Egyptians had an extensive conceptualization of the soul. For 10 points each,

[10] The Ib represented this aspect of a person that was weighed by Anubis in a ceremony during the afterlife.

ANSWER: **heart**

[10] Offerings such as food and drink were left in Egyptian burial sites to appease a person's spirit, which was known by this name.

ANSWER: **ka**

[10] Some insight into the Egyptian's conceptualization of the soul can be gained from reading this funerary text. Another text sometimes known by this name is properly called the *Bardo Thodol* in Tibetan.

ANSWER: **Book of the Dead**

040-10-23-12219

20. This man's *Symphonia Domestica* was a tone poem that tried to capture life in the composer's home. For 10 points each:

[10] Name this German composer who also composed an opera about the attempt to prevent Baron Ochs from marrying Sophie von Faninal, *Der Rosenkavalier*.

ANSWER: Richard **Strauss**

[10] Richard Strauss composed this tone poem based on a Friedrich Nietzsche work. Including "Of Science" and "Song of the Night Wanderer," this work is known for its opening fanfare.

ANSWER: **Also Sprach Zarathustra** [or **Thus Spoke Zarathustra**]

[10] This waltz by Johann Strauss the Younger is traditionally played by the Vienna Philharmonic at its New Years Day concerts, and it was used in *2001: A Space Odyssey* during the dance of the spheres sequence.

ANSWER: "On the Beautiful **Blue Danube**" [or "An der Schoenen **Blauen Donau**"]

030-10-23-12220

21. Unlike joints, these cracks in the earth's crust occur where relative movement of a hanging wall and footwall occurred, For 10 points each:

[10] Name these these fractures in the earth's surface that include such types as normal, reverse, and strike-slip.

ANSWER: **faults**

[10] One type of reverse fault is this one where the angle of the fault plane is less than 45 degrees.

ANSWER: **thrust** fault

[10] This type of stress creates reverse and thrust faults. It is also the type of stress that causes subduction.

ANSWER: **compressional** stress

091-10-23-12221