with thanks to Bern McCauley and the Great Valley Quiz Team

Tossups

1. In computing this term is software that provides a user access to an operating system's kernel. A spherical one is the three-dimensional analog of an annulus. In mechanical plain bearings, these wrap around the rotating shaft at journals. In chemistry these are labeled "K" through "Q" and each holds two times a perfect square of particles. (*) Terrapins and brachiopods have them, and conchology studies these exoskeletons of crustaceans and bivalves. For 10 points—give this term for the objects hermit crabs carry.

answer: shell

2. This person was ridiculed as "Queen of Bithynia" when his diplomacy to King Nicomedes engendered affair rumors. This person wrote of the Ancalites, who sought peace and helped him defeat the chief Cassivellaunus. He consulted Sosigenes to realign the seasons after his election to Pontifex Maximus. This man, (*) Pompey, and Crassus formed the First Triumvirate. Tillius Cimber and Marcus Brutus were among the senators who assassinated him on the Ides of March. For 10 points—give this adoptive father of Augustus Caesar.

answer: Gaius <u>Julius Caesar</u> (prompt on "Caesar")

3. This book collection's character Kevin worked at Caligari Carnival and allowed a hand to be tied to hide some ambidexterity. At one point the protagonists are given a rattle, model train set, and a Pretty Penny doll by their Aunt Josephine. In these books Justice Strauss objects to a wedding performed during a play. Titles in these books include *The* (*) Austere Academy, The Slippery Slope, and The Bad Beginning. Violet, Klaus, and Sunny Baudelaire as well as Count Olaf are characters in—for 10 points—what Lemony Snicket books about lamentable happenings?

answer: A Series of Unfortunate Events

4. After the Kirtland Safety Society failed, this church excommunicated Warren Parrish, a fate that befell William Law over a marriage dispute. Its texts include the Book of Nephi and tell of the 4th century Lamanites. The target of Missouri Executive Order 44 after an 1838 war, its members then founded Nauvoo, Illinois before another (*) migration. Its Quorum of the Twelve Apostles was led by Brigham Young and its first president was Joseph Smith. For 10 points—give this religion practiced by 62 percent of Utah residents.

answer: <u>Mormon</u>s or <u>LDS</u> or <u>Latter Day Saints</u>

5. Two scales measuring these times are the Keetch-Byram and Palmer indices. Lake Maracaibo's Catatumbo Lightning phenomenon stopped during one of these in 2010. Estivation increases during them, and a June 2015 *L.A. Times* article said a recent one made gold prospecting popular again. Waxy surfaces, opening stomata only at night to limit (*) transpiration, and spines stopping animal consumption are strategies cacti employ to survive these times. For 10 points—give this term for a period of below-average precipitation, or perhaps no rain at all.

answer: <u>drought</u> (do not accept "summer")

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6. Senator Tammy Duckworth was born in this country, as was Tiger Woods' mother. A layer jelly cake and Egg Yolk Drops are in the nine Auspicious Desserts of this culture. Its deities include the business-helping Nang Kwak and the rice goddess Phosop. Led by the Chakri dynasty, this former home of the conjoined twins Chang and Eng Bunker saw its King (*) Rama IX ["the ninth"] die in 2016. Its National Council for Peace and Order has ruled since a 2014 military takeover. Siam is a former name of—for 10 points—what country bordering Laos and Malaysia, whose capital is Bangkok?

answer: Kingdom of <u>Thailand</u> or Ratcha-anachak <u>Thai</u> (accept <u>Siam</u> or <u>Siamese culture</u> until given)

7. In this novel, inventing a hand grenade that kills thirty-one prisoners and only playing with drum or helicopter toys are accomplishments of Ogilvy. "Oranges and lemons / Say the bells of St. Clement's" appears in it several times, and is said by the vendor Charrington. At its start, its 39-year-old protagonist climbs stairs due to (*) electricity conservation. The hero is told "the object of power is power" after talking with his captor O'Brien and asking about Room 101. Big Brother watches Winston Smith in—for 10 points—what George Orwell work titled for a year?

answer: <u>1984</u> (or <u>Nineteen Eighty-Four</u>)

8. Maggie Walsh created this fourth-season villain of *Buffy the Vampire Slayer* by melding human, demon, and mechanical parts. Before the twin sister Adora was added to *He-Man* cartoons, this names the first child of King Randor. In a Seth Grahame-Smith novel, the New World's first vampire had this name. In the film *Year One*, this character played by (*) Harold Ramis invites Zed and Oh into his home and asks his son Cain on the whereabouts of the other son Abel. For 10 points—give this name of a biblical Eden resident, the first man.

answer: Adam (accept Prince Adam after "He-Man")

9. This musician's sketches inspired a Barry Cooper compilation that debuted in 1988. Leonore disguises herself to save her husband from prison in this man's opera *Fidelio*. Another of his pieces has "Shepherd's song", "Thunder. Storm.", and "Merry Gathering of Country Folk" movements. Said to represent Fate at the door, (*) three short G's followed by a longer E-flat begin his fifth symphony. He also used Friedrich Schiller's "Ode to Joy". For 10 points—give this German composer of the Eroica and Choral symphonies.

answer: Ludwig van **Beethoven**

10. This is thought to be the smallest solitary number because its divisors sum to eighteen and no other integer is known with an abundancy index of nine-fifths. The sum of a tetrahedron's faces plus its edges equals this integer. This is the number of edges in the complete graph on five vertices, which also makes it the fourth (*) triangular number. In binary it is written one-zero-one-zero. Some of this number's powers are the octodecillion and quadrillion. For 10 points—give this base of decimal numbers, the smallest positive integer written with two digits.

answer: <u>ten</u> [the abundancy index is the sum of divisors over the number: 18 / 10]

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11. To experiment with fast job completion, in 1959 this organization had the *Barbero* submarine fire a missile. The U.S. was shocked in '86 when Edmond, Oklahoma resident Patrick Sherrill killed fourteen of its other employees. John Wanamaker was its leader in the 1880s, holding what was formerly a cabinet-level position. A 2006 "Accountability" act requiring (*) pre-funded retiree benefits has caused this organization financial difficulty, and President Trump claimed it loses money in its Amazon dealings. For 10 points—name this package-delivering agency.

answer: <u>USPS</u> or the <u>Post Office</u> or United States <u>Postal Service</u> (formerly <u>United States Post</u> <u>Office Department</u>; do not accept "UPS", which is the United Parcel Service)

12. In Lucian's *Dialogues*, this god is told the story of Arion's rescue by music-loving creatures. This god commanded Pegasus to strike Mount Helicon creating the Hippocrene. After winning the Battle of Salamis, Athenians honored this god's Sounion temple with a trireme. This god was unfaithful, causing Amphitrite to turn (*) Scylla into a monster, and in another myth he was the father of Charybdis [kah-RIB-dus], whose whirlpool was a danger to ships and sailors. Hades and Zeus divided up the world with—for 10 points—what trident-carrying god of the sea?

answer: Poseidon [Arion is saved by dolphins on a sea voyage]

13. The case *U.S. v. Jones* applied the Fourth Amendment to this technology which is compatible with BDS from BeiDou. It is administered from Colorado Springs using S band instructions. After Soviets shot down a straying Korean Flight 007, this technology's degraded level was given to civilians. It currently has 31 components at an altitude of (*) twenty thousand kilometers, and most locations can receive at least four signals at all times. For 10 points—give this technology that allows phones and Tom Toms to determine locations on Earth.

answer: <u>GPS</u> or (Navstar) <u>Global Positioning System</u> (prompt on "GNSS" or "Global Navigation Satellite System") [the degraded version has since been discontinued]

14. This leader sent his Labor Secretary Victor Metcalf to San Francisco where Japanese students were being segregated. He signed the Oklahoma Enabling Act, and some said the Knickerbocker Crisis was due to his Hepburn Act approval, which strengthened the Interstate Commerce Commission. Charles Fairbanks was the running mate of this (*) Republican who defeated Alton Parker in the 1904 election. Progressive reforms were sought by his Bull Moose Party, and after his presidency he hunted in Africa. For 10 points—name this fifth cousin of FDR.

answer: <u>TR</u> or (Theodore) <u>T</u>eddy <u>Roosevelt</u> Jr. (prompt on "Roosevelt")

15. David Lewis was among those with this microbe during the 1976 Fort Dix flare-up. Medications given to combat it include rimantadine, baloxavir marboxil, and oseltamivir. These particles are classified by their hemagglutinin and neuraminidase proteins. Because it affected Alfonso XIII ["the thirteenth"], the 1918 (*) pandemic which caused fifty million deaths was called the Spanish variety. The dangerous H3N2 strain is a recent example of—for 10 points—what virus that causes an illness worse than a cold?

answer: <u>flu</u> or <u>influenza</u> virus [oseltamivir is better known as Tamiflu]

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16. In his memoir this writer urges Ford Madox Ford to publish Gertrude Stein's lazy repetitious writing. The Battle of Caporetto and an affair with Catherine Barkley are events in his novel about the American paramedic Frederic Henry. His work *Death in the Afternoon* is a nonfiction account of (*) bullfighting. In 1953 he wrote about the apprentice Manolin, who is not on the boat as Santiago fights a marlin in *The Old Man and the Sea*. For 10 points—name this writer of *For Whom the Bell Tolls* and *A Farewell to Arms*.

answer: Ernest Hemingway

17. In a 1615 travelogue, George Sandys said this object was harmed by the Moors' indignation and had an upper part resembling a maid. Émile Baraize led a 1920s excavation of it that found a rear tunnel. Charles Hatfield controversially claimed it was created in the 12th millennium B.C. and was meant to look at the constellation (*) Leo. Thutmose IV [TUT-mose "the fourth"] put the Dream Stele between the legs of this monument thought to have the face of Khafre. For 10 points—give this Egyptian monument near the Giza pyramids, a statue with a lion's body

answer: Great **Sphinx** of Giza

18. This word appears in the title of Isaiah Berlin's "Two Concepts" lecture, and it has "six enemies" in a later book. James Sterba's essay "From" this "to Welfare" argues that economic equality fosters it. In a work "On" this, John Stuart Mill defines a civil form as the limit of society's power over its citizens. The French motto groups it with (*) equality and fraternity, and the French Marianne personifies this concept limited by others' rights. The Declaration pairs life and the pursuit of happiness with—for 10 points—what state of being free?

answer: <u>liberty</u>

19. Binghamton University's Nina Versaggi led a Summer 2018 archeological dig on this site's Bindy Bazaar. Elliott Landy published photography of this place where Raymond Miszak died when a tractor ran over him. Wavy Graby promised cream pies and seltzer water would enforce security here. This place was (*) Max Yasgur's property, and An Aquarian Exposition held here included Joan Baez, Janis Joplin, and the Grateful Dead. For 10 points—name this site of an August 1969 New York music festival.

answer: <u>Woodstock</u> Music & Art Fair or <u>Woodstock</u> Festival

20. This country's literature includes a novel subtitled "A Rite for a Dead Man", which sees a village suffer horrors until a Muslim cremates a disgraced person. In a different work set here, a boy gains telepathic powers after he is born on August 15th, 1947 at midnight. In a third novel set here, Sophie drowns while running away with the twins (*) Rahel and Estha. Those works are *Midnight's Children*, *The God of Small Things*, and *Samskara*. For 10 points—name this country whose cities include Bangalore, Mumbai, and New Delhi.

answer: <u>India</u> or <u>Bhārat</u> Gaņarājya

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21. Two goods' marginal rate of substitution equals this measure on one member of the indifference map. Veblen goods usually have demand curves where this value is positive. One author suggested the variable used for this in American textbooks took it from the French verb meaning "to climb", which is (*) monter [MON-tay]. For the standard equation "A" "X" plus "B" "Y" equals "C", this quantity equals minus "A" over "B". Change in Y over change in X, or "rise over run" are ways to find—for 10 points—what measure of a line's "steepness"?

answer: <u>slope</u> or <u>gradient</u>

22. Howard Chandler Christy painted this person standing at a desk, just to the right of Richard Spaight. Giuseppe Ceracchi sculpted a bust of him as a Roman emperor, and he holds a sword in his left hand in Constantino Brumidi *Apotheosis*. Emanuel Leutze's depiction on the New Jersey quarter has him wearing a (*) tri-cornered hat during a military traversal, and a copy of Gilbert Stuart's Lansdowne portrait was rescued by Dolley Madison as the White House burned. The leftmost person on Mount Rushmore is—for 10 points—what first U.S. president?

answer: George Washington

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Bonuses

1. For 10 points each—give these similar-sounding titles:

A. William Peter Blatty wrote this 1971 novel featuring Father Merrin, who dies while removing a demon from Regan MacNeil.

answer: The **Exorcist**

B. The character of Jean Dujardin has only one spoken line in this black-and-white homage to early Hollywood. It won the 2011 Best Picture.

answer: The **Artist**

C. Georgio Santorelli's 1896 New York murder is investigated in this first Kreizler series volume. This Caleb Carr title is an old term for a psychiatrist.

answer: The Alienist

- 2. Between the 17th century and 1959, holders of this position lived in the Lhasa's Potala Palace. For 10 points each—
- A. Give this position in Tibetan Buddhism, the only person with greater spiritual authority than the Panchen Lama.

answer: **Dalai Lama**

B. The 14th holder of the title, this current Dalai Lama lives in exile in Dharamsala.

answer: (Jetsun Jamphel Ngawang Lobsang Yeshe) Tenzin **Gyatso** or Lhamo **Thondup**

C. Daikyōjō is a respected rank in this Buddhist school brought to Japan by Dōgen Kigen. *The Daily Show* airs moments of this.

answer: Zen (or Chan) Buddhism (accept Sōtō school of Zen or Rinzai Zen Buddhism)

- 3. For 10 points each—give these answers about computers and calendars:
- A. An old method of storing years using the final two digits led to this software problem as a new century began. The diligent global effort resulted in only minor incidents.

answer: Y2K or Year 2000 problem or Millennium bug (accept similar responses using these terms)

B. Users had connectivity problems on March 1st 2010 because the PlayStation 3's internal clock thought it should observe one of these events. They are needed because Earth's orbital period is not an integer number of days.

answer: <u>leap day</u> or <u>February 29</u> (accept <u>leap year</u>)

[PS3 incorrectly thought 2010 was a leap year]

C. The year 2038 will be problematic for machines calculating time using this operating system's method. Ken Thompson designed it at Bell Labs.

answer: <u>Unix</u> [YOU-nicks]

- 4. In a January 2018 video, Minneapolis Mayor Jacob Frey ["fry"] told this team's fans he would "grease all the lampposts so you feel right at home". For 10 points each—
- A. Name this team who beat the Vikings en route to winning Super Bowl 52 over the Patriots.

answer: <u>Philadelphia</u> <u>Eagles</u> (accept either underlined name)

B. This Eagle, who replaced an injured Carson Wentz, was the Super Bowl MVP.

answer: Nick Foles

C. When Minneapolis last hosted Super Bowl 26, the game was played in this now-demolished stadium. Known as "the Dome", its full name honored vice president Hubert Humphrey.

answer: (Hubert H. Humphrey) **Metrodome**

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- 5. Cape Charles, Virginia is at this landmass's southern end. For 10 points each—
- A. Name this peninsula containing land of Virginia and two other states.

answer: **Delmarva** Peninsula

B. West of the Delmarva Peninsula is this bay fed by the Susquehanna River near Havre de Grace, Maryland.

answer: Chesapeake Bay

C. This river flows into the Chesapeake near Deltaville, Virginia. This river south of the Potomac played a role in the 1862 Battle of Fredericksburg when Ambrose Burnside's crossing was delayed.

answer: Rappahannock River

- 6. For 10 points each—give these terms used to describe data:
- A. While the mean of a data set usually refers to the arithmetic average, this other term is a number in the middle. Fifty percent of data values lie above and below it.

answer: **median**

B. This measure of spread is a typical difference between a data value and the mean. It is denoted lowercase sigma and is the positive square root of variance.

answer: standard deviation

C. Figure skating scores can use this kind of mean in which high and low values are discarded to reduce outlier effect. This term generically means to make something shorter.

answer: <u>truncate</u>d mean (accept word forms)

- 7. In 2015 the results of a poll to redesign the \$20 dollar bill were announced. For 10 points each—
- A. The winning candidate was this escaped slave. Known as "Moses", she was an Underground Railroad conductor.

answer: Harriet **Tubman** (accept Araminta **Ross**)

- B. Another candidate was Frances Perkins, a 1930s leader. The first woman to hold a cabinet post, Perkins headed what department that includes the Occupational Safety and Health Administration? answer: Department of **Labor** (accept **Labor** Secretary)
- C. Advocates want the change by 2020 to honor the centennial of what Constitutional amendment that gives women the right to vote?

answer: **19**th amendment

- 8. For 10 points each—give these things formed by insects:
- A. Apiaries' hive frames are structures allowing bees to create these hexagonal cells, which store a sweet liquid.

answer: honeycomb

B. Also known as aurelia and similar to cocoons, when butterflies emerge from this pupal stage they harden their wings. Its name comes from the golden color of the hard shell.

answer: **chrysalis**

C. Driver and army ants don't build nests. Instead, the ants use their bodies to form these structures protecting the queen and larvae, a term armies use for temporary camps.

answer: <u>bivouac</u>

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9. This term may come from a place the Etruscans [you-TRUS-cans] called the "hill of Prophecy". For 10 points each—

A. Give this term for a city administered by the Holy See of the Roman Catholic Church.

answer: <u>Vatican</u> (City)

B. The safety of the pope and security of his palace are overseen by this force currently commanded by Christoph Graf.

answer: (Pontifical or Papal) Swiss Guard

C. The pope historically administered more territory until this leader lost the final Papal States in 1870. This pope, the ninth of his name, served 31 years and convened the First Vatican Council.

answer: Pius IX or Giovanni Maria Mastai-Fernetti

10. In 2010 this author published *A Pleasure to Burn*, which included source material for his dystopian *Fahrenheit 451*. For 10 points each—

A. Name this author who also wrote *Dandelion Wine* and *The Martian Chronicles*.

answer: Ray **Bradbury**

B. In this Bradbury novel, a traveling carnival run by G. M. Dark visits Green Town and ruins characters by giving them their deepest desires.

answer: Something Wicked This Way Comes

C. The title *Something Wicked* comes from this Shakespearean play in which three witches tell a general he will become Scotland's king.

answer: The Tragedy of **Macbeth**

11. For 10 points each—give these companies with single-letter stock tickers:

A. "K" is this Battle Creek, Michigan food company whose products include Pop-Tarts, Cheez-It crackers, and Special K cereal.

answer: The **Kellogg** Company or **Kellogg's**

B. "F" is this company whose president is Jim Hackett. It formerly owned Volvo Cars, and the Edsels it produced in the late '50s were a notorious failure.

answer: <u>Ford</u> Motor Company

C. Charles M. Schwab was the first president of this company with ticker "X". J.P. Morgan helped to form this metal-making company.

answer: <u>U(nited)</u> <u>S(tates)</u> Corporation

12. For 10 points each—name these American artists:

A. *Cut Piece* and the *Wish Tree* series were works by this Japanese-American probably better known as John Lennon's wife.

answer: Yoko **Ono**

B. This artist painted *Country Fair* and *Fourth of July*, and generally depicted rural and landscape scenes. She began painting in her 70s, which led to an elderly matriarchal nickname.

answer: (Anna Mary Robertson) Grandma **Moses**

C. The photographer Alfred Stieglitz was married to this painter of *Ladder to the Moon*, *Ram's Head with Hollyhock*, and scenes inspired from her Ghost Ranch home.

answer: Georgia O'Keeffe

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13. This author depicted a ridiculous bureaucracy in *The Castle*. For 10 points each—

A. Name this author whose character Karl Roßmann ["Rossmann"] endures unsuccessful employments in the novel *Amerika*.

answer: Franz **Kafka**

B. Kafka's best known work is probably this novella in which Gregor Samsa wakes up transformed into an insect. Gregor's father injures him with an apple lodged in the back.

answer: The <u>Metamorphosis</u> or Die <u>Verwandlung</u> (do not accept "Metamorphoses")

C. In a short story, Kafka offers four versions of this Greek hero's fate. Those include everyone forgetting his crime, and this man escaping the pain of losing his liver by melding into the rock he is chained against.

answer: **Prometheus**

14. This organelle's name is derived from a Latin term meaning "loosening". For 10 points each—

A. Give this organelle found in most animal cells that uses enzymes to break down biomolecules.

answer: <u>lysosome</u>s

B. Most lysosomes' interiors have this property as their pHs are typically around 5. These substances contrast with bases, whose pH values are above 7.

answer: they are <u>acid</u>ic or are <u>acid</u>s

C. Christian de Duve isolated lysosomes while studying this hormone. It is produced by beta cells in the islets of Langerhans, and too much of it in the body causes hypoglycemia.

answer: insulin

15. One of this character's enemies is the Turbo Toilet 2000. For 10 points each—

A. Name this character created by Dav ["dave"] Pilkey. This alter ego of the hypnotized Principal Benny Krupp wears white briefs and a red cape.

answer: Captain Underpants

B. Captain Underpants is set in Piqua [PIH-kwa] in this state. Other literary locales in this state include Sherwood Anderson's Winesburg, and the converted Wright-Patterson base near Dayton that becomes Camp Haven in *The 5th Wave*.

answer: Ohio

C. In the *Sensational Saga of Sir Stinks-A-Lot* it's revealed this protagonist is gay. The "old" version of this character and his husband have twins named Owen and Kei.

answer: <u>Harold Hutchins</u> (accept either underlined name)

16. For 10 points each—give these terms related to Solar System objects:

A. These minor planets, or planetoids, include the body 2010 TK7 in Earth's orbit. Most Earth meteorites originate from a belt of them just beyond Mars.

answer: <u>asteroid</u>

B. Named for a Dutch astronomer, asteroids and icy bodies are thought to inhabit this region two to fifty thousand astronomical units from Earth.

answer: Oort Cloud or Öpik-Oort cloud

C. Between the asteroid belt and the Oort Cloud are these asteroid-like bodies that can cross the outer planets' orbits. Some of the appropriate mythological names given to these objects include Pholus, Nessus, and Chiron.

answer: **centaur**s

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17. These siblings owned a Dayton, Ohio bicycle shop. For 10 points each—

A. Name these brothers who experimented on kites and gliders before designing flyers with engines.

answer: Orville and Wilbur Wright or the Wright Brothers

B. "First in flight" in seen on North Carolina license plates as the Wright brothers achieved success at this place. One theory for this village's name is a bird preying on wrens.

answer: Kitty Hawk

C. The Wright Company was bought by Glenn Martin, and in 1995 Martin Marietta merged with this other company. The resulting defense contractor has a Maryland headquarters.

answer: Lockheed Corporation (accept Lockheed Martin)

18. In 2012 members of this party allowed dissident Chen Guangcheng to leave China. For 10 points each—

A. Name this political party that initiated a 1989 crackdown on the Falun Gong movement.

answer: Communist Party of China or Zhōngguó Gòngchăndăng

B. This former Fujian governor is the current General Secretary of the Chinese Communist Party.

answer: Xi ["she"] Jinping

C. The Communist government responded harshly to the '99 demonstrations in this area near the Forbidden City. Its name means "Gate of Heavenly Peace".

answer: <u>Tiananmen</u> Square

19. A producer has trouble with a leading actress in this dramatist's *Finishing the Picture*. For 10 points each—

A. Name this American who wrote All My Sons and Death of a Salesman.

answer: Arthur Miller

B. Miller's *The Crucible* is a retelling of the 1692 events in this Massachusetts town where witches were hung and Giles Corey was crushed to death.

answer: Salem, Massachusetts

C. In *After the Fall* the character Maggie is closely modeled after this woman, Miller's second wife. Miller wrote material in *Let's Make Love* and *The Misfits* films for her.

answer: Marilyn Monroe or Norma Jeane Mortenson

20. This composer's final work was a requiem composed for Franz von Walsegg. For 10 points each—

A. Name this Vienna composer whose 41st symphony in C major is nicknamed "Jupiter".

answer: Wolfgang Amadeus Mozart

B. The Queen of the Night, Tamino, and Pamina are roles in this Mozart opera whose title mystical instrument changes sorrow into joy.

answer: The <u>Magic Flute</u> or Die <u>Zauberflöte</u>

C. Thirty second note triplets are used in the beginning of this symphony, number 504 in Köchel's catalog. It was performed while Mozart visited a Bohemian city.

answer: The **Prague** Symphony or Symphony number <u>38</u> in D major

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21. August Kekulé claimed a daydream led to his proposal of this compound's ring structure. For 10 points each—

A. Name this aromatic with chemical formula C_6H_6 .

answer: benzene

B. For benzene this value is 80.1 degrees Centigrade. Generally, this is the lowest temperature a liquid turns into a vapor.

answer: <u>boiling</u> point or temperature

C. England's 1974 Flixborough disaster involved this compound with formula C_6H_{12} . This compound used in nylon production can be created through the hydrogenation of benzene.

answer: cyclohexane

22. For 10 points each—give these things said in church:

A. This text appears in Matthew as part of the Sermon on the Mount. It begins, "Our Father, who art in Heaven".

answer: The Lord's Prayer

B. A namesake 325 council adopted this profession. There are variations, one of which states "I believe in one God, the Father Almighty, maker of heaven and earth".

answer: Nicene Creed (or Niceno-Constantinopolitan Creed; do not accept the "Apostles' Creed")

C. Tradition holds St. Dominic saw the Blessed Virgin and received this devotion while working among the Albigensians. People reciting this prayer receive signals of grace and Purgatory deliverance in the Fifteen promises.

answer: Rosary