The Illinois Mathematics and Science Academy of Aurora, IL,

in partnership with Loyola Academy of Wilmette, IL, present

IMSANITY 3

-ROUND 12-

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with special contributions from...
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Tossups

(1) **During this battle, the losing side stole a crown that belonged to the winning monarch. The inspiration for the poetry of Charles of Orleans came after his capture at this battle, in which Sir Thomas Erpingham fought. The Duke of York and Lord Camoys helped lead the winning side in this battle. This battle resulted in the signing of the Treaty of Troyes. The forces of Charles d'Albert faced a disadvantage when** (*) deep mud and stakes made them easy targets for longbowmen. Fought on St. Crispin's Day, for ten points, name this battle won by the forces of Henry V against the French as part of the Hundred Years' War.

ANSWER: Battle of Agincourt

(2) **A rogyapa is used to celebrate one of these events in Tibet. The Celts held a ritual pertaining to one of these events of the Sun god, Samhain, while a similar ceremony included the performance of "Caoine" [pronounced "KEE-na"]. In Mongolia, doors may not be used while one of these events is in progress to prevent evil spirits from entering, while in Hinduism, these events tend to be performed near** (*) sacred rivers such as the Ganges. In Hellenistic culture, warriors were accorded more honor during one, and this was often performed with a pyre. For ten points, name this type of ritual, examples of which include burial and cremation.

ANSWER: death rituals or funerals (accept clear-knowledge equivalents)

(3) **This thinker argued that the only truly moral "non-egoist motive" is compassion. In one work, this thinker espoused the four attributes of human character as individual, empirical, constant, and inborn. This writer of *On the Basis of Morality* and *On the Freedom of the Will* also criticized Kant's theory of knowledge before creating four classes – becoming, knowing, being, and willing – in his dissertation *On the Fourfold Root of the Principle of Sufficient Reason*. His most famous work notes that one of the title concepts causes suffering and desire and equates it with "striving," "wanting," and "urging".** (*) For ten points, name this German philosopher who wrote *The World as Will and Representation.*

ANSWER: Arthur Schopenhauer

(4) **The title character of this novel transposes the first letters of teacher's names, and the protagonist keeps a journal with handwriting so small it's nearly impossible to read. One character contemplates killing his wife while they are watched by a watercolor painter, and the wife of Richard Schiller died giving birth to a stillborn daughter, a fact revealed in an introduction written by John Ray, Jr. The name of an inn is also shared with a play, *The Enchanted Hunters*. The protagonist is haunted by his unconsummated love for Annabel Leigh, and later succeeds in killing** (*) Clare Quilty. For ten points, identify this novel about Humbert Humbert's obsession with his stepdaughter Dolores Haze, written by Vladimir Nabokov.

ANSWER: <u>Lolita</u>

(5) **This event is closely linked to the Antarctic Dipole, and it is associated with eastward-moving Kelvin waves, which may be influenced by the Madden-Julian Oscillation. The Modoki variant of this event occurs only near the international date line, and variations in air pressure between Tahiti and Darwin characterize its expression in the atmosphere, the Southern Oscillation. This event in 1998 caused a world** (*) high temperature record, but its other effects include warm winters in Alaska and dry ones in Australia. While it decreases the number of Atlantic tropical cyclones, its counterpart tends to do the opposite. Contrasted with La Nina, for ten points, name this event where warm water occurs near the Peruvian coast.

ANSWER: <u>El Nino</u> or <u>ENSO</u> or <u>El Nino Southern Oscillation</u> (accept <u>La Nina</u> in power, accept <u>Southern Oscillation</u> before mention)

(6) **This artist painted a lion pulling a man from a horse's back in his *Lion Hunt* and a similar scene involving an alligator and a hippopotamus. This artist's *The Disembarkation at Marseilles* portrayed Marie de Medici exiting a boat and was part of a series of paintings she commissioned from him. This man painted a triptych in which three women and five men** (*) lower the central figure into a white sheet called *The Descent from the Cross*. For ten points, name this Flemish baroque painter whose *The Judgment of Paris* exemplifies his depiction of fleshy nudes.

ANSWER: Peter Paul <u>Rubens</u>

(7) One character in this work is inspired into theater by watching the production of *The Laughter of the Gods*, a play by Lord Dunsany. Another character in this novel is a tailor who moves to be an artist, but becomes an actor. Before having a misinterpreted relationship with Erik Valborg, the main character learned how to play bridge with the Jolly Seventeen, overpaid her servant Bea Sorenson, and directed *The Girl from Kankakee* with the other members of the Thanatopsis club. The protagonist moves to Washington with Hugh, and is twice charmed by the (*) town doctor, Will. For ten points, identify this novel in which Carol Kennicott attempts to change Gopher Prairie written by Sinclair Lewis.

ANSWER: <u>Main Street</u>

(8) For developing a theory of these materials with two components, Lev Landau earned the Nobel Prize, and spin in this material can only attain certain quantized speeds. Waves of "second sound" carry this material's extreme thermal conductivity. Its ability to form Rollin films may, upon heating, cause the fountain effect, and it leaks out of nanometer-wide crevices. Cooper pairing enables fermions such as (*) Helium-3 to form this material at very low temperatures, whose upper limit is the lambda point. For ten points, name this state characterized by zero viscosity and entropy.

ANSWER: <u>superfluids</u> or <u>superfluidity</u>

(9) This man refused to increase funding on a wireless broadcasting tower after the letter "s" was transmitted by Guglielmo Marconi. In addition to investing in Nikola Tesla's Wardenclyffe Tower, during the Civil War this man bought 5000 defective Hall rifles and sold them back at over six times the original cost. He loaned $65,000,000 worth of gold to the U.S., and later he convinced other bankers to give their own money to stop the (*) Panic of 1907. He bought firms from Andrew Carnegie and others to form U.S. Steel. For ten points, identify this American financier whose namesake bank combined with Chase.

ANSWER: John Pierpont <u>Morgan</u>

(10) This concept is paired with psychoanalysis in a book by Juliet Mitchell, and this concept and "the Subversion of Identity" are explored in a work by Judith Butler. One work in this movement examined the metaphor of "the other", while another author confronted "the problem that has no name". Proponents of the second-wave of this movement included (*) Simone de Beauvoir and Betty Friedan, while the first-wave fought for the Nineteenth Amendment. For ten points, name this movement which seeks to improve society's role of women.

ANSWER: <u>feminism</u>

(11) **This author said "My camp is like to Julius Caesar's host / That never fought but had the victory" in the poem *Our Conquering Swords*. Though not Shakespeare, one poem by this author asks "who ever loved, that loved not at first sight?" This author of *Hero and Leander* and *The Massacre at Paris* wrote of Ithamore helping poison Abigail and other nuns before** (*) Barabas is killed in a boiling cauldron in one work, and the protagonist of another addresses a speech to the image of Helen of Troy after making a deal with Mephistopheles. Including the line "Come live with me and be my love" in *The Passionate Shepherd to His Love*, for ten points, identify this Elizabethan author of *The Jew of Malta* and *Doctor Faustus*.

ANSWER: Christopher Marlowe

(12) **The outer region of this structure is defined by the ora serrata. Nerves from this structure relay at the lateral geniculate body, and it receives signals from layers of amacrine and bipolar cells. It is in contact with the vitreous humor and is surrounded by the choroid. A yellow pigmented area on this organ, the macula, is located near a specialized region known as the fovea. Sensory receptors embedded in it include opsin and a derivative of beta-carotene. The** (*) optic nerve branches off from this tissue, and it is located behind the lens and iris. For ten points, name the site of light sensing rods and cones in the eye.

ANSWER: retina (prompt on "eye" before mention)

(13) **In the *Odyssey*, this man is seen in the underworld wielding an unbreakable bronze club. In some sources, this man is the son of Hyrieus and was born of an impregnated bullhide; in others he is the son of Poseidon and Euryale. A Cyclops leads this man to have his sight restored by Helios after this man was blinded by Oenopion for assaulting his daughter Merope. Although he is loved by** (*) Artemis, either she or a jealous Apollo sends a monster to kill him. Ultimately felled by a giant scorpion, for ten points, name this man, a Greek hunter who was made into a constellation after his death.

ANSWER: Orion

(14) **This country experienced the Cavite Mutiny, which prompted the execution of three priests known as Gomburza. This nation, whose communist forces instigated the Hukbalahap Rebellion, was subject to the Taft commission. Andres Bonifacio formed this nation's Katipunan organization, and the Pact of Biak-na-Bato was signed between one of its members and Fernando Primo de Rivera. The People Power Revolution ousted** (*) Ferdinand Marcos and installed Corazon Aquino as this country's president. For ten points, name this Asian archipelagic nation with capital at Manila.

ANSWER: Republic of the Philippines

(15) **Every graph has a bipartite subgraph with at least this proportion of its edges. Pick's Theorem states that the area of a lattice polygon is equal to I minus one plus this value times B, and thus this is the smallest possible area of a lattice triangle. The Riemann Hypothesis conjectures that all non-trivial zeroes of the zeta function have this number as their real part. This is the maximum value of sine of x times** (*) cosine of x, and this is also the maximum distance from a real number to its nearest integer. For ten points, name this number which, when used as an exponent, is equivalent to a square root.

ANSWER: one- <u>half</u> (accept equivalents)

(16) **In one of this man's cantatas, the title character participates in "The Battle of the Ice" fought against the Teutonic Knights, and in an opera by this man, a prince finds the Princess Ninetta inside one of the titular fruits. The song "Dance of the Knights" is taken from this composer's ballet** (*) *Romeo and Juliet.* This composer of *Alexander Nevsky* and *The Love of Three Oranges* is best known for a work in which the title characters are represented by the strings and the french horn and with the oboe representing the duck. For ten points, name this composer of *Peter and the Wolf.*

ANSWER: Sergei <u>Prokofiev</u>

(17) **In one song, this band accuses that "The only thing that you keep changing/is your name", and in another, the singer and his love interest "tried to name our babies but" "forgot all the names we used to know". In addition to performing *Crown of Love* and *Neighborhood #1*, this band criticized modern technology by singing "I used to sleep at night/Before the flashing lights settled deep in my brain" and that** (*) "We used to wait for letters to arrive". In another song, the singer "learned to drive" in the title location, and laments "when the bombs fell, we were already, already bored." For ten points, name this Canadian rock band who won a Grammy for their 2011 album *The Suburbs.*

ANSWER: <u>Arcade Fire</u>

(18) **One act in support of this group also disenfranchised the "Forty Shilling Freeholders." A future monarch illegally married a member of this group, Maria Fitzherbert. Fictitious documents made by Titus Oates caused this group to be barred from office under the Test Act. George Gordon led riots against this group after the passage of a namesake relief act. The Act of Settlement bans members of this group from** (*) ascending to the throne. One ruler was overthrown for being a member of this group during the Glorious Revolution. Including members such as Mary I and James II, for ten points, name this religious minority in Britain.

ANSWER: Roman <u>Catholics</u> in the United Kingdom (accept equivalents like British <u>Catholics</u> or English <u>Catholics</u>)

(19) **In one work by this author, the protagonist meets a university student who has spent eight years trying to extract sunlight from cucumbers. He wrote "Had he but spared his tongue and pen/ he might have rose like other men" in a poem about his own death. This man criticized the quality of copper coins minted by William Wood in *Drapier's Letters* and wrote about the brothers Peter, Jack, and Martin, who each inherit a coat from their father. An essay by this man suggests that (*)** poor Irish families should sell their children as food. For ten points, name this satirist author of *A Tale of a Tub* and *A Modest Proposal* who wrote about the title character's voyage to Lilliput in *Gulliver's Travels*.

ANSWER: Jonathan <u>Swift</u> (or Dean <u>Smith</u>)

(20) **The corona of the sun produces mostly this type of radiation, and it comes in "hard" and "soft" varieties. Inner shell electrons are expelled from atoms to produce characteristic wavelengths in its namesake fluorescence, and like gamma rays, radiation of this type undergoes Compton scattering. Formerly known as (*)** Roentgen rays, their namesake crystallography enabled Rosalind Franklin to produce the first image of the DNA double helix. For ten points, name this type of electromagnetic radiation with frequency between ultraviolet and gamma rays, often used to image broken bones.

ANSWER: <u>X-rays</u> (accept <u>Roentgen rays</u> before mention)

(21) **Diwrnach is killed by Llenlleawg using this object as punishment for stealing a cauldron. Accolon is given this item while a fake is given to its owner, who blinded a man the first time he used it. That owner received this item after his previous one broke in a fight with Pellinor. While its owner died in a monastery, Bedivere claimed to him that nothing happened while disposing of this object. It was ultimately returned to the (*)** lake, at which point the Lady of the Lake took it back. For ten points, identify this mythical sword which was possessed by King Arthur.

ANSWER: <u>Excalibur</u> (or <u>Caledfwlch</u>, prompt on "sword")

Bonuses

(1)   This country is expected to have the world's largest population by the year by 2030. For ten points each:
[10] Name this Asian country with capital at New Delhi. It lies on a namesake tectonic plate, often refered to as this country's subcontinent.
ANSWER: India
[10] The Indian city of Jodhpur is the largest city in this desert, which is primarily located in the western state of Rajasthan. It is located north of the marshy Rann of Kutch and extends into Pakistan.
ANSWER: Thar desert
[10] This Indian plateau receives little rain because the Western Ghats to its southwest block precipitation.
ANSWER: Deccan plateau

(2)   The "Three Musketeers" opposed the "Four Horsemen" within this group. For ten points each:
[10] Name this nine-member judicial body. Franklin Roosevelt tried to increase its size in 1937 in his plan to "pack" it.
ANSWER: Supreme Court of the United States (also accept SCOTUS)
[10] The "Switch in time that saved nine" was the name given to the vote of Justice Owen Roberts in *West Coast Hotel Co. v. Parrish*, which upheld the constitutionality one of these laws.
ANSWER: minimum wage laws
[10] Justice Owen Roberts had earlier sided with the conservatives in *United States v. Butler*, where it struck down this New Deal legislation which paid farmers not to plant crops.
ANSWER: Agricultural Adjustment Act (or AAA)

(3)   Those able to benefit from this practice include those in great debt, orphaned children, and the collectors of this duty themselves. For ten points each:
[10] Name this Islamic Pillar of donating a portion of one's wealth to charity.
ANSWER: zakat (or alms-giving)
[10] This other Islamic practice involves turning towards Mecca and praying at certain times of day, including directly before sunrise.
ANSWER: salat
[10] A practicing Muslim is required to perform salat this many times per day. It is also the number of Pillars of Islam.
ANSWER: five

(4) This author set a "Play Without a Title" during a rehearsal of *A Midsummer Night's Dream*. For ten points each:

[10] Name this playwright who wrote of Leonardo Felix and The Groom killing each other in *Blood Wedding* and of the title matriarch in *The House of Bernarda Alba*.

ANSWER: Federico Garcia Lorca

[10] Garcia Lorca wrote "Enemy of the satyr/ enemy of the vine/ and lover of bodies beneath rough cloth" in his ode to this poet. This poet was seen by the meats while Garcia Lorca was by the watermelons in Ginsberg's *A Supermarket in California*.

ANSWER: Walt Whitman

[10] Garcia Lorca was a native of this country, during whose Civil War he was murdered by fascists. Other authors from this country include Lope de Vega, Pedro Calderon de la Barca, and Juan Ramon Jimenez.

ANSWER: Spain

(5) This concept forms the basis for, among other things, a planned gravity-powered fire escape. For 10 points each:

[10] Name this law which describes the phenomenon whereby a non-magnetic metal and a magnet exert forces on each other as one moves past the other. The symbol for inductance is chosen in honor of the namesake of this law.

ANSWER: Lenz's Law

[10] Lenz's Law holds true because of Newton's Third Law of motion and this fundamental concept, which also accounts for the fact that a pendulum dropped with no initial velocity from the chin of a professor may not hit him on its return.

ANSWER: conservation of energy

[10] This quantity in electroscience is measured in Webers and is equal to the component of the B-field in a surface. The total of this quantity in a closed surface is zero. The eddies discussed in Lenz's Law oppose change in this quantity.

ANSWER: magnetic flux

(6) This group of people was only counted in the census after a 1967 referendum. For ten points each:

[10] Give this term that collectively refers to tribes such as the Pintupi and Gweagal, the inhabitants of Australia before James Cook showed up.

ANSWER: Aborigines

[10] In an effort to ostensibly "civilize" them, this group of Aborigines was forcibly removed from their families and made wards of the state.

ANSWER: Stolen Generations (or Stolen Children)

[10] In 2008, this Australian prime minister formally apologized for the Stolen Generations. Brendan Nelson, the Opposition Leader, controversially spoke after him, prompting slow clapping and booing.

ANSWER: Kevin Rudd

(7) This artist dabbled in sculpture, such as with his *The Little Dancer*. For ten points each:
[10] Name this artist most famous for paintings like *Fin d'Arabesque*, *Dancers at the Bar*, *The Dance Class*, and an endless collection of other depictions of ballerinas.
ANSWER: Edgar Degas
[10] One of Degas's more realist paintings was this one of an office in which a man sits reading "The Daily Picayune" while his coworkers examine a table full of the titular raw material.
ANSWER: The Cotton Exchange in New Orleans (or A Cotton Office in New Orleans)
[10] Degas painted this artist dressed in blue, seated, and holding cards. This artist painted a mother holding her child in *The Boating Party* and a young couple in a canoe in *Summertime*.
ANSWER: Mary Cassatt

(8) Identify the following control statements in computer science for ten points each:
[10] Edsger Dijkstra wrote that this control statement "should be abolished from all 'higher level' programming languages in his paper *[this] Statement Considered Harmful*.
ANSWER: goto (or go to)
[10] This type of control structure, which repeats a block of code as long as a certain condition is true. Examples of this control structure include for, while, and do…until.
ANSWER: loops (accept more specific answers like "for loop" and "while loop")
[10] Languages like Java and C++ provide this command to exit a loop before its condition is satisfied.
ANSWER: break

(9) He manages to convince his friends that the chore of whitewashing a fence is a great privilege. For ten points each:
[10] Identify this character who gets lost in McDougal's cave with Becky Thatcher. He and his friend manage to discover treasure at the end and become rich.
ANSWER: Tom Sawyer (accept either)
[10] This author created the characters of Tom Sawyer and Huckleberry Finn in their eponymous adventures.
ANSWER: Mark Twain (or Samuel Clemens)
[10] Twain also wrote this book, in which the title character uses his fingerprint collection to discover that "Tom Driscoll" is actually Chambers, the son of the slave Roxy.
ANSWER: Pudd'nhead Wilson

(10) He was the last director of the Bauhaus as well as the first Director of Architecture at the Illinois Institute of Technology. For ten points each:

[10] Identify this architect who collaborated with Philip Johnson on New York City's Seagram Building and built the Farnsworth House as a retreat in rural Illinois.

ANSWER: Ludwig Mies van der Rohe (prompt on "van der Rohe")

[10] Both of those works were constructed in this style, which takes its name from a book by Henry Russell Hitchcock and Johnson. This style favored open space and balance and discouraged ornamentation.

ANSWER: International Style

[10] Mies used this three-word phrase to describe his minimalist designs. The phrase can also refer to his use of negative space, as seen in his Barcelona chair.

ANSWER: Less is More

(11) Answer some questions about traitors in Rome for ten points each.

[10] The most notable traitor might be this man, who was supposedly asked "Et tu?" by Caesar as this man assassinated him.

ANSWER: Marcus Junius Brutus (accept Brute)

[10] This Roman helped stop the traitor Catiline, who was going to take over Rome with a tribe of Gauls. He later delivered Philippics against Mark Antony, and so he was killed by the Second Triumvirate.

ANSWER: Marcus Tullius Cicero

[10] If you were a traitor in ancient Rome, you might have been thrown off of this rock overlooking the Roman forum, named after a woman who opened the gates for the Sabines.

ANSWER: Tarpeian Rock

(12) These entities are related to the coastline paradox. For ten points each:

[10] Name these iterated figures of fractional dimension which exhibit self-similarity. Examples of these figures include the Koch Snowflake and Sierpinski's Triangle.

ANSWER: fractal

[10] This linear fractal is formed by taking a line segment and iteratively removing middle thirds. Despite it containing as many points as a continuum, it has zero length.

ANSWER: Cantor Set

[10] This fractal is formed starting from a cube and iteratively removing cubes of one-third the side length from its center. This fractal exhibits infinite surface area and zero volume.

ANSWER: Menger sponge

(13) The first of these was a fish named Matsya. For ten points each:
[10] Name these ten manifestations of a Hindu god, the last of which, Kalki, will come on a white horse and end the present age.
ANSWER: avatars of Vishnu (prompt on "avatars", do not accept or prompt on Vishnu)
[10] The eighth Avatar of Vishnu is this blue-skinned son of Devaki who delivered a discourse to Arjuna on a battlefield in the *Bhagavad Gita.*
ANSWER: Krishna
[10] The fourth Avatar of Vishnu is this man-lion, sometimes known as the "Great Protector", who killed Hiranyakashipu.
ANSWER: Narasimha

(14) He wrote that "She loved me sometimes, and I loved her too./ How could one not have loved those great still eyes./ Tonight I can write the saddest lines". For ten points each:
[10] Identify this poet who wrote poems to ordinary objects in *Elemental Odes* and included *Tonight I Can Write* in *Twenty Love Poems and a Song of Despair.*
ANSWER: Pablo Neruda
[10] Pablo Neruda was from this country, which was also home to Isabel Allende.
ANSWER: Chile
[10] Another Chilean author was this female poet, who included *The Artist's Decalogue* in *Desolacion.*
ANSWER: Gabriela Mistral (or Lucila Godoy Alcayaga)

(15) It is the point at which the molar Gibbs free energy of the solid phase becomes lower than that of the liquid phase. For ten points each:
[10] Name this temperature, which for water is zero degrees Celsius and for benzene is 5.5 degrees Celsius. It marks the boundary between solid and liquid phases.
ANSWER: melting point or freezing point
[10] At the melting point, the temperature of the solid stays constant until it has absorbed this amount of energy, which is used to break the intermolecular cohesive forces holding a solid together.
ANSWER: heat of fusion or enthalpy of fusion
[10] The heat of this process is the sum of the heat of fusion and the heat of vaporization. It takes place when the molar Gibbs free energy of the liquid is always higher than that of the both the solid and the gas.
ANSWER: sublimation

(16) Answer the following about the career of Edward Everett for ten points each.

[10] Everett was the running mate of John Bell on this party's ticket in the election of 1860. It advocated compromising to prevent a Civil War.

ANSWER: Constitutional Union Party

[10] While Secretary of State to Millard Fillmore, Everett dispatched this commodore to open Japan up for trading.

ANSWER: Commodore Matthew C. Perry

[10] Edward Everett delivered an incredible two-hour oration at the dedication of a military cemetery at this site, which President Lincoln followed up with short remarks that the "government of the people, by the people, for the people, shall not perish from the earth."

ANSWER: Gettysburg, Pennsylvania

(17) Two characters sit in the billiard room to avoid seeing a performance of Cousin Kate. For ten points each:

[10] Identify this novel in which Dr. Aziz shows Adela Quested the Marabar caves and is subsequently accused of rape.

ANSWER: A Passage to India

[10] *A Passage to India* is a novel by this British author, who wrote the appendix "A View Without a Room" discussing what happened after Lucy Honeychurch and George Emerson eloped in *A Room With a View.*

ANSWER: Edward Morgan Forster

[10] Forster posthumously published this work, in which the main character is advised to move to some country that has adopted the Code Napoleon, and tells Clive Durham about his relationship with Alec Scudder.

ANSWER: Maurice

(18) These small organs are located in the male testes. For ten points each:

[10] Name these small tubes which can be convoluted or straight and are the site of meiosis amidst its Sertoli cells.

ANSWER: seminiferous tubules

[10] Meiosis in seminiferous tubules results in this kind of cells which have only one set of chromosomes. Examples of this kind of cells include sperm and egg cells.

ANSWER: haploid

[10] Preceded by the acrosome reactions, the fusion of a sperm and egg cell nuclei results in this event. It usually occurs in the Fallopian tubes.

ANSWER: fertilization

(19) This conference was criticized for naming its divisions Legends and Leaders. For ten points each:

[10] Identify this Midwestern conference consisting of two more schools than its name implies. This conference's football championship has been won most often by Michigan and Ohio State.

ANSWER: The Big Ten Conference

[10] In 2011, this university left the Big 12 to join the Big Ten, becoming the latter's twelfth member school.

ANSWER: University of Nebraska at Lincoln (prompt on abbreviations)

[10] From 1946 to 1950, the Big Ten had only nine member schools following the departure of this charter member.

ANSWER: University of Chicago

(20) This work intersperses the traditional Latin mass text with poems such as *Anthem for Doomed Youth* and *Strange Meeting*. For ten points each:

[10] Name this musical composition which depicts the senselessness of World War I with Wilfred Owen poems.

ANSWER: War Requiem

[10] The *War Requiem* is a work by this British composer who wrote an opera about a fisherman, *Peter Grimes*, and *The Young Person's Guide to the Orchestra*.

ANSWER: Benjamin Britten

[10] This instrument begins the fugue in *The Young Person's Guide to the Orchestra*.

ANSWER: piccolo

(21) The INES called it an "Accident With Wider Consequences", although the Kemeny Commission reported that radiation levels were too low to cause disease. For ten points each:

[10] Name this nuclear accident which took place at the namesake power plant in Pennsylvania in 1979. Although radiation released proved relatively small, it remains the worst nuclear accident in United States history.

ANSWER: Three Mile Island incident or accident

[10] This agency, created by Franklin Roosevelt as part of the New Deal, canceled plans to build three nuclear power plants in its eponymous state in the wake the Three Mile Island incident.

ANSWER: Tennessee Valley Authority (or TVA)

[10] The first nuclear accident in the United States took place at the National Reactor Testing Station in this state. Home to Atomic City, this state's namesake National Laboratory was the site of EBR-1, the world's first nuclear energy plant.

ANSWER: Idaho