

TOSSUPS

1. Minerals containing this ion are classified by their allochem content in the Folk system. This ion is found with copper in azurite and malachite. The point at which the supply of this anion exceeds its rate of solvation is known as its (\*) compensation depth. It is found with iron in siderite, and with both calcium and magnesium in dolomite. Carbon dioxide is released when minerals containing it are reacted with hydrochloric acid. This anion is found in the primary constituent of limestone, calcite. For 10 points, name this ion with formula  $\text{CO}_3^{2-}$  ["C-O-3-2-minus"].

ANSWER: carbonate [or  $\text{CO}_3^{2-}$  before mention]

2. Solar panels and wind cowl covers the roofs of this city's environmentally friendly BedZED Ecovillage. A glass gridshell roof spans over the Great Court in a museum found in this city. Swiss Re spent over a billion dollars purchasing a building in this city that replaced the Baltic Exchange and was designed by (\*) Norman Foster. Renzo Piano designed a 95-story-tall pyramidal skyscraper in this city known as The Shard. For 10 points, name this city home to Tower 42, "The Gherkin" and the British Museum.

ANSWER: London

3. This is the title of an episode of *Xena: Warrior Princess* that opens with Xena banging up Gabrielle's cooking pots during a fight, and of an episode of *Battlestar Galactica* that centers on Admiral Adama reminiscing about his dead wife on their anniversary. A song with this title features a 24-bar bridge followed by the ringing of an (\*) alarm clock and notes, "they know how many holes it takes to fill the Albert Hall" before repeating the line, "I'd love to turn you on." For 10 points, give this title of the last song on *Sgt Pepper's Lonely Hearts Club Band*.

ANSWER: "A Day in the Life"

4. A work titled for this type of place describes an "old mother... singing her husky song" where "a vast similitude interlocks all." A father and his young daughter observe "burial-clouds that lower victorious soon to devour all" in a work set at one of these places that suggests that there is something "more immortal even than the (\*) stars." "The eternal note of sadness" is heard in another of these locations "where ignorant armies clash by night." "The sea is calm tonight" at - for 10 points - what sort of locale described by a Matthew Arnold poem set in Dover?

ANSWER: beaches [accept: "On the Beach at Night Alone" or "On the Beach at Night" or "Dover Beach"]

5. Effects of these phenomena in Cimarron County are depicted in a famous photo by Arthur Rothstein. An agency called the SCS was created in response to a particularly devastating one of these phenomena on Black Sunday. Wheat price increases resulting from the Russian Revolution may have prompted the (\*) overcultivation that caused these phenomena, whose effects on sharecroppers are explored in *Let Us Now Praise Famous Men*. Many "Okies" moved west to escape - for 10 points - what crop-killing weather events of the 1930s?

ANSWER: dust storms (in the 1930s) [or black blizzards; or black rollers; or Dust Bowl; prompt on drought I guess]

6. A photographer with this surname captured two toddlers kissing in *Il Bacio*. An actor with this surname played a machine-gunner with the quote "I AM BECOME DEATH" written on his helmet. A chemist with this surname devised guidelines that predict the relative rates of ring closures. A ruler of this name aided Reynald de Chatillon at the Battle of (\*) Montgisard against Saladin. A politician with this surname preceded Neville Chamberlain as Prime Minister. For 10 points, give this surname of the author of *Giovanni's Room* and *Go Tell It on the Mountain*.

ANSWER: Baldwin [accept "Furman Stewart Baldwin", etc.]

7. A work titled for these places argues that “historical blocs” triumph through a trench-warfare analogue called the “war of position.” A book written in one of these places argues that evil doesn’t exist because it is not part of the supreme good, or God, that all mankind pursues. These places title a work proposing that the “Modern Prince” of the party will allow the (\*) working class to develop “organic intellectuals” and explaining the process of “cultural hegemony.” Boethius wrote *The Consolation of Philosophy* in - for 10 points - what kind of place that titles some “Notebooks” by Antonio Gramsci?

ANSWER: prisons [accept Prison Notebooks; accept equivalents like jails or hotboxes]

8. This element, strontium and oxygen form a compound which was the first observed example of a Ruddlesden-Popper Phase. This element’s tetrachloride is used as a Lewis acid catalyst in the Mukaiyama aldol reaction. This metal is bound to two Cp rings in a masked (\*) carbene used for carbonyl methylation, Tebbe’s reagent. Magnesium reacts with this metal’s tetrachloride in the final step of the Kroll process. It’s found in the ore rutile and its dioxide is used in white paints.. For 10 points name this metal with symbol Ti.

ANSWER: titanium [accept Ti before mentioned]

9. The narrator of this story is critical of women, noting that a “thick ankle” is enough to make him indifferent towards them; fortunately, he encounters a girl perfect but for her lettuce poisoning. A character in this story considers ordering “sulphuric acid shampoo” for his slaves and sends his men to kill an escaped (\*) Italian teacher. This story is set in a never-before surveyed area in the Montana Rockies. John T. Unger is awed to discover that the Washington family estate is situated atop a giant gem in – for 10 points – what F. Scott Fitzgerald story?

ANSWER: “The Diamond as Big as the Ritz”

10. In a 1963 book titled for this belief, Lévi-Strauss argued that it was an illusion created by scholars. Freud said this belief was born when a group of boys fulfilled the Oedipus complex by killing their father. This belief is divided into “group” and “individual” types, the latter of which is more common among (\*) Aborigines. James Frazer noted this belief creates kinship groups within which marriage is forbidden in a book about it *and Exogamy*. Sigmund Freud said that taboos arise from - for 10 points - what belief exemplified by poles erected honor of animal spirits?

ANSWER: totemism [accept anything indicating belief in totems]

11. This leader took power after a movement to collect 15 million signatures to force his predecessor’s resignation, the Tamarod movement. In an attempt to boost credit ratings, this leader reduced massive fuel and food subsidies that cost nearly a quarter of his country’s budget. This man was elected with 93% of the vote in 2014 elections that (\*) banned the Freedom and Justice party of his predecessor’s Muslim Brotherhood, which this man replaced via coup. Mohamed Morsi was ousted by - for 10 points - what current President of Egypt?

ANSWER: Abdel Fattah el-Sisi

12. This region lends its name to a mercenary company that overran Thessaly after the death of Roger de Flor. This region’s *furs* privileges were abolished in 1716. France backed a republic led by Pau Claris in this region during Revolt of the Reapers. The Nueva Planta decrees of (\*) Philip V largely targeted this region, whose chief city formed a dynastic union with Valencia and Aragon. Like the Basque Country, this region’s wealth leads many in it to seek independence from Spain. For 10 points, name this region with historical capital Barcelona.

ANSWER: Catalonia [or Catalunya; prompt on Aragon until read]

13. This artist used chalk and lithography to create a giant floating head titled *Guardian Spirit of the Waters* as part of his *Noirs* series. He showed the title figure walking among flowers in one of his many depictions of the Buddha. This artist’s journal *A Soi-même* shows his influence by a school led by his friend Stéphane (\*) Mallarmé. The nude naiad Galatea takes refuge under a hill from a creature glaring over with its one eye in - for 10 points, what French Symbolist’s *The Cyclops*?

ANSWER: Odilon Redon

14. In this symphony's introduction, the strings introduce a theme of three ascending half-steps against timpani playing C. This symphony's final movement contains a timpani roll which transitions into an alhorn theme. This symphony's composer said "any ass can see that" in response to a notion, advanced by (\*) Hans von Bülow, that it borrowed from the "fate" motif and the Ode to Joy. "Beethoven's Tenth" is a nickname given to - for 10 points - what symphony by Johannes Brahms?

ANSWER: Symphony No. **1** by Johannes **Brahms** [or equivalents, such as **Brahms' First** symphony; "Brahms" isn't needed after it is read; prompt on "Beethoven's Tenth" until mentioned]

15. In these mountains, mysterious isolated megaliths can be found on Vera Island. Huge "fighting" dolomite rocks dot gorges formed by the Chusovaya River in this range, near which the city of Ufa lies. This range is rich in alexandrite that switches from green to red color, which was used by Peter Carl (\*) Fabergé. The Bashkirs live on both sides of this range, where industrial production is concentrated in Perm. The Ob and Volga river basins are divided by - for 10 points - what Russian mountains that divide Europe from Asia?

ANSWER: **Ural** mountains [or **Urals**]

16. This writer addressed a woman whose "sad indifference" "both kills and doth reprieve" in a poem that describes its subject as "an angel here, the devil there." Another work by this poet praises the "sweetness mercy, majesty and glories" of his (\*) King, and mentions that "birds that wanton in the air / Know no such liberty" as the speaker "When Love with unconfined wings / Hovers within my gates." "Stone walls do not a prison make, nor iron bars a cage" according to - for 10 points - what Cavalier poet's "To Althea, from Prison?"

ANSWER: Richard **Lovelace**

17. One consequence of a statement named for this physicist is that higher potential barriers are more transparent to relativistic electrons. That is the Klein paradox. Standing light waves scatter electrons in an effect named for him and Kapitza. Four-component spinors appear in a relativistic (\*) wave equation named for this physicist. This scientist, who visualised antimatter as holes in a namesake "sea", co-names a statistical distribution for half-integer spin particles with Fermi. For 10 points, name this British physicist with a namesake delta function.

ANSWER: Paul **Dirac**

18. A primary account of this state was written by one of its scribes named Mahmud Kati. This state relied on *hikoi* to manage its river fleet, which combined with its cavalry to provide most of its military power. This state's greatest leader was advised by al-Sadi, the author of the (\*) *Tarikh al-Sudan*. This state's refusal to cede its salt mines at Taghaza to Ahmad al-Mansur led to its defeat at the Battle of Tondibi by Morocco. Sonni Ali Ber founded - for 10 points - what West African empire led by Askia Muhammad Ture, with capital Gao?

ANSWER: **Songhai** empire

19. This figure is deemed insane for reminding Gefjun about an incident involving a youth who had given her a necklace. Sinmara guards a chest with nine locks that contains this figure's wand, Laevateinn. He is driven into the forest for slaying a companion of Eldir named Fimafeng during (\*) Aegir's feast. Brokk and Eitri shut this god up by sewing his lips together after he steals Sif's hair. This god mated with the stallion Svadilfari to mother the eight-legged horse Sleipnir. For 10 points, name this father of Fenrir, the Norse god of trickery.

ANSWER: **Loki**

20. The narrator of one poem in this collection asks if angels of gaiety, kindness, health and beauty have known such ill powers as "anguish" and "Old Age." Another poem from this collection compares the coolness of the "flesh of children" and the sweetness of "oboes" to perfumes. This collection includes "Reversibility," (\*) "Correspondences," and a poem that describes the title creature's "great white wings / dragging beside them like oars." For 10 points, name this poetry collection containing such poems as "The Albatross" and "To The Reader," written by Charles Baudelaire.

ANSWER: *Les **Fleurs du mal*** [or *The **Flowers of Evil***]

21. Embryos of one class in this phylum contain teloblast cells that divide asymmetrically to form blast cells. In North American forests, post-glacial invasion of a class in this phylum speeds up forest nutrient cycling. The anticoagulant hirudin is secreted by one subclass of this phylum. (\*) *Rijfia* is a genus in this phylum found on hydrothermal vents. One class in this metameric phylum has hairy chetae on limb-like parapodia. For 10 points, name this phylum containing polychaetes and clitellates like leeches and earthworms.

ANSWER: Annelida [or annelids; or segmented worms]

22. Robert de Bellême, who sheltered *this king's* main rival William Clito, was described as extremely cruel by this king's biographer, Orderic Vitalis. This English king married a daughter of Malcolm III of Scotland and disputed the power of lay investiture with Paschal II and (\*) Anselm of Canterbury. Because his son William Adelin died during the White Ship Incident, this king's death prompted a succession struggle involving Stephen of Blois called The Anarchy. For 10 points, name this ruler, a son of William the Conqueror who fathered Empress Matilda.

ANSWER: Henry I of England [prompt on Henry]

23. Thousands of tulsi leaves are required for one of these events dedicated to Satyanarayana. Typically, sherpa guides perform one of these events before attempting ascents of Everest. People typically prepare *prasad* for blessing during these events. The subject of this event, often represented by a *murti*, is invited into the home and given an *asana*, or seat, after which (\*) he or she is typically offered water, food, flowers, and incense. On Diwali, Laskhmi is celebrated by - for 10 points - what type of Hindu devotional ceremony for a god?

ANSWER: pujas [accept Lakshmi puja or Satya Naranaya puja; prompt on offerings or Hindu ceremonies or similar answers that don't give the specific term]

24. Chris Marker's *A Grin Without a Cat* opens with a montage of shots from this film and found protest footage. A priest in this film thumps his cross into his palm in a scene where the doctor Smirnov is killed. The only color in this film is on a red flag. (\*) Vakulinchuk is left in a tent on a pier after dying in this film's central conflict caused by maggot-covered meat. A woman with a pince-nez is among the civilians massacred in a montage where a baby carriage rolls down some steps in Odessa. For 10 points, name this film about a naval mutiny, directed by Sergei Eisenstein.

ANSWER: Battleship Potemkin [or Bronenosets Potyomkin]

## BONUSES

1. The resonances of their “surface” variety can be used to probe a variety of properties of nanoparticles. For 10 points each:

[10] Name these quasiparticles, the collective oscillations of a group of delocalized electrons.

ANSWER: **plasmons**

[10] Plasmons can couple to these particles to form polaritons. These particles scatter off electrons in the Compton effect.

ANSWER: **photons**

[10] Tuning the values of plasmon resonant frequencies in materials can create “windows” where materials display this property. This property, contrasted with opacity, is displayed in the visible range by glass and perspex.

ANSWER: **transparency** [accept word forms]

2. *Shockingly*, Dianne Feinstein’s husband won a *huge* contract for building this kind of project. For 10 points each:

[10] Identify this kind of infrastructure proposed to eventually connect Northern and Southern California. Projected to cost \$68 billion - and probably more - it’s been widely denounced as a waste.

ANSWER: California **high-speed rail** [accept equivalents indicating a **fast rail**road of some kind; prompt on just **rail** or **railroad**]

[10] High-speed rail advocates often bemoan the slow speed of this US government-funded passenger rail service, which offers high-speed service via Acela Express.

ANSWER: **Amtrak**

[10] This man has proposed the Hyperloop, a high-speed transportation system in which passengers would travel in pressurized capsules, as a solution for NorCal transportation.

ANSWER: Elon **Musk**

3. This object is hurled over the rail by its owner’s wife at the end of Act III. For 10 points each:

[10] Identify this object frequently dropped by its alcoholic owner. This object was acquired by its owner after he tried jumping hurdles in the middle of the night prior to the play’s start.

ANSWER: Brick Pollitt’s **crutch**

[10] Brick and his crutch appear in this playwright’s *Cat on a Hot Tin Roof*. He also wrote *The Glass Menagerie*.

ANSWER: Tennessee **Williams**

[10] In one of his few coherent speeches, Brick asks his father if he ever heard of this word, to which Big Daddy replies by defining it as “lying and liars.”

ANSWER: **mendacity**

4. Later in life, this man founded the American Ethnological Society. For 10 points each:

[10] Name this Swiss-American secretary of the Treasury under Thomas Jefferson and James Madison.

ANSWER: Albert **Gallatin**

[10] Gallatin and the administration he served opposed this political party, whose only representative in the Presidency was John Adams.

ANSWER: **Federalist** Party

[10] Gallatin’s ethnological efforts enlisted the help of this governor, who led an 1820 expedition that failed to find the source of the Mississippi River. He later resigned in order to become Andrew Jackson’s second Secretary of War.

ANSWER: Lewis **Cass**

5. This artist discussed his newfound appreciation for costume design in his 1946 autobiography *The Life of a Painter*. For 10 points each:

[10] Name this artist, who depicted a group of huddled men in blue uniforms training their guns at an unseen enemy in the painting *Armored Train in Action*.

ANSWER: Gino **Severini**

[10] This other artist of *Abstract Speed + Sound* represented the kinetic movement of a dachshund by blurring its feet in his painting *Dynamism of a Dog on a Leash*.

ANSWER: Giacomo **Balla**

[10] Gino Severini and Giacomo Balla, along with Giacomo Boccioni, were members of this primarily Italian art movement, which celebrated action and violence.

ANSWER: **Futurism** [or *futurism*]

6. With the help of a pheasant, a monkey, and a dog, this hero conquered a fortress filled with vicious *oni*. For 10 points each:

[10] Name this Japanese folk hero who descended from Heaven inside of a giant peach, fulfilling an old couple's wish for a child.

ANSWER: **Momotarō**

[10] In a different story, an old couple whose children had been eaten by the dragon Orochi turn to this *kami* for help. He defeats Orochi by first intoxicating the dragon with eight vats of sake.

ANSWER: **Susano'o** [accept "**Susano-wo**" or "**Susanoo-no-Mikoto**"]

[10] In yet another story, an old couple receives a bottomless bag filled with this ubiquitous staple crop of Japan for welcoming a disguised version of the *kami* Inari into their home.

ANSWER: **rice**

7. This soccer player became the most expensive in history when he was signed from Tottenham Hotspur. For 10 points each:

[10] Name this winger, who was bought by Real Madrid for £83 million in 2013.

ANSWER: Gareth **Bale**

[10] Having been born in Cardiff, Gareth Bale plays soccer for this national team, which recently qualified for the European Championships for the first time in 57 years.

ANSWER: **Wales** [accept **Cymru**]

[10] Another Welsh winger is this one-club player, who spent 23 years in the Manchester United first team and was briefly their caretaker manager after David Moyes was sacked.

ANSWER: Ryan **Giggs**

8. This theorist believed that one's presentation of social space communicated status to the world. For 10 points each:

[10] Identify this sociologist whose "Theory of Practice" extended the notion of capital to ideas such as social capital and his own concept of "cultural capital."

ANSWER: Pierre **Bourdieu**

[10] This urban theorist introduced the idea of social capital in *The Death and Life of Great American Cities*.

ANSWER: Jane **Jacobs**

[10] *The Life and Death of Great American Cities* grew out of Jacobs' opposition to Robert Moses' planned renovation of Greenwich Village, a neighborhood in this city where Jacobs lived.

ANSWER: **New York** City [or **NYC**; accept nicknames like The **Big Apple**]

9. A group of teenagers rob a retired judge of his guns and food in this novel. For 10 points each:

[10] Name this novel, in which a young immigrant works briefly at Gray's Papaya after arriving in New York City. Back in Kalimpong, the judge's niece, Sai, receives weekly mathematics lessons from her tutor, Gyan.

ANSWER: ***The Inheritance of Loss***

[10] In this short story, Mr. Kapasi guides a family from America on a tour to the Konark Sun Temple; an unfortunate trail of crumbs leads a group of monkeys to briefly assault the family's young son, Bobby.

ANSWER: "**Interpreter of Maladies**"

[10] The authors of those works, Kiran Desai and Jhumpa Lahiri, both have family from this country, and have written about immigrants from this country living in the United States.

ANSWER: Republic of **India**

10. Joe Felsenstein pioneered the development of maximum likelihood methods for constructing these representations. For 10 points each:

[10] Name these diagrams that show hypothesized evolutionary relationships among the taxa or genes on their tips.

ANSWER: **phylogenies** [or evolutionary **trees**; or phylogenetic **trees**; prompt on "cladograms" or "dendrograms"]

[10] This phylogenetic criterion seeks to reduce homoplasy by minimizing character state changes. Felsenstein showed that it exhibits unwanted long-branch attraction under a wide parameter space, called the Felsenstein zone.

ANSWER: **maximum parsimony** [or **MP**]

[10] One cause of long-branch attraction may be a high value for this parameter, which is assumed to be constant in molecular clocks. This parameter, symbolized mu, is on the order of 10 to the minus 8th power in humans.

ANSWER: **mutation rate** [or **substitution rate**; prompt on partial answer]

11. This legislation was upheld in the 2012 case *NFIB v. Sebelius*. For 10 points each:

[10] Identify this massive health care reform legislation passed in 2010.

ANSWER: Patient Protection and **Affordable Care Act** [or **ACA**; or **Obamacare**]

[10] This current Secretary of Health and Human Services was named as defendant in a 2015 case about the ACA's tax credits whose plaintiffs were listed as David King et al. She was also the plaintiff in the 2014 Hobby Lobby case.

ANSWER: Sylvia **Burwell**

[10] In *King v. Burwell*, a two-step test *named for this company*, which is used to determine whether to grant deference to a federal agency's interpretation of federal statute, was applied to the Affordable Care Act.

ANSWER: **Chevron** [accept **Chevron** test or **Chevron** doctrine]

12. You're Philip IV of France trying to fund your numerous expenses. For 10 points each:

[10] You debase the coinage you issued made of this metal, the first such coins in French history, by adding in silver and other less valuable metals.

ANSWER: **gold** [or **Aurum**; or **Or**]

[10] You expropriate the merchants hailing from this region, which lends its name to a group of city-states that united to oppose Frederick Barbarossa and win the Battle of Legnano.

ANSWER: **Lombardy** [or **Lombardia**]

[10] Your attempts to seize church revenue prompt this 1296 bull from Boniface VIII, which prohibited such revenues' appropriation without the papal permission.

ANSWER: **Clericis laicos** [or **Clericos laicos**]

13. This man created 24 categories that were used in a complete collection published by Breitkopf & Härtel from 1877 to 1910. For 10 points each:

[10] Identify this musicologist, whose most famous publication, made in 1862, was given its first major revision in the 20th century by Alfred Einstein.

ANSWER: Ludwig Alois Friedrich Ritter von **Köchel**

[10] Köchel assigned numbers to the works of this composer, such as 551 for the *Jupiter* symphony.

ANSWER: Wolfgang Amadeus **Mozart**

[10] This final purely instrumental work by Mozart, written for Anton Stadler, went unpublished until 1802, by which point its solo part had been rewritten to be played on a more modern instrument.

ANSWER: **Clarinet Concerto** in A Major, **K. 622** [accept either underlined portion]

14. This philosopher argued that rhetoric should be a key component of pedagogy in a commencement address later titled "On the Order of the Scholarly Disciplines of Our Times." For 10 points each:

[10] Identify this author who stated that "the truth itself is fact" as the *verum-factum* principle.

ANSWER: Giambattista **Vico**

[10] Vico's *The New Science* argues that this process occurs in a series of three *corsi* defined by heroic, divine, and human phases. Francis Fukuyama has argued that this process had come to an "end."

ANSWER: **history** [accept "The End of History?" or *The End of **History** and the Last Man*; accept more specific answers like "progress of **civilization**"]

[10] This book presents Vico and his philosophy as representing liberation from a "priest-ridden age" dominated by distortions of the Islamic world, which the title latter-day concept characterizes as static and undeveloped.

ANSWER: **Orientalism** (by Edward Said)

15. This emperor's son Geta was murdered on the orders of his brother. For 10 points each:

[10] Name this emperor and founder of a namesake dynasty, who crushed the pretender Pescennius Niger after the death of Pertinax.

ANSWER: Septimius **Severus**

[10] Severus advised his sons to "Be harmonious, enrich [these people], and scorn all other men." These people were often led by centurions.

ANSWER: **soldiers** [or **legionaries** or **legionnaires**; or **milites**]

[10] Severus' hometown, Leptis Magna, was a major city in this province. A giant so-called "ditch" or *fossatum* was built to defend this province from incursions by groups like the Garamantes.

ANSWER: **Africa** [don't accept "Libya" because that's not a province]

16. The Creutz-Taube complex, consisting of two ruthenium atoms coordinated to five ammonia ligands with a bridging pyrazine ligand, is used to study this process. For 10 points each:

[10] Name this type of redox reaction that occurs through a covalent linkage.

ANSWER: **inner-sphere** electron transfer [prompt on "**electron transfer**"]

[10] Another compound containing a Group 8 atom in more than one oxidation state is a dye called the "Prussian" version of this colour. This is also the colour of hydrated copper sulfate.

ANSWER: **blue**

[10] This ore of iron with formula  $Fe_3O_4$  adopts the spinel structure, and contains iron in +2 and +3 oxidation states.

ANSWER: **Magnetite**

17. Local legends say this volcano was a warrior who loved the woman Iztaccíhuatl. For 10 points each:

[10] Name this volcano, the most active in its country, which erupted for the first time in nearly 50 years in 1994. Scientists closely monitor this volcano since nearly 25 million people live in its vicinity.

ANSWER: **Popocatepetl** [or **El Popo**]

[10] When atmospheric conditions are good, Popocatepetl can be seen from this capital city, which is built on the ruins of Tenochtitlan.

ANSWER: **Mexico City** [or **Ciudad Mexico**]

[10] The volcanic belt that Popocatepetl runs through bisects a mountain range of this name that divides the deserts of the north from the rainforest climate to the south; another range of this name bounds those deserts to the west.

ANSWER: **Sierra Madre** [accept **Sierra Madre** Oriental or **Sierra Madre** Occidental]

18. The first recipient of this 100,000 euro prize was Miguel Torga, who received it in 1989. For 10 points each:

[10] Name this literary prize awarded annually to influential authors who write in Portuguese.

ANSWER: **Camões** Prize

[10] In 1994, this author of *Gabriela, Clove and Cinnamon* and *Tieta* received the Camões prize.

ANSWER: Jorge Leal **Amado** de Faria

[10] The following year's Camões prize was awarded to Jose Saramago, a Portuguese author best-known for this novel, in which everybody except the doctor's wife is afflicted with the title ocular condition.

ANSWER: *Essay on* **Blindness**

19. Pedro Lascuráin was President for one hour before endorsing a cession of power to this man. For 10 points each:

[10] Identify this President, who came to power after the events of the Ten Tragic Days with the backing of Henry Lane Wilson, whom he later angered during the Tampico Affair.

ANSWER: Victoriano **Huerta** [or José Victoriano **Huerta** Márquez]

[10] Huerta's dictatorship was ended by this leader of the Constitutionalist Army, whose government established the modern Constitution of Mexico in 1917.

ANSWER: Venustiano **Carranza** [or José Venustiano **Carranza** Garza]

[10] Carranza sent Álvaro Obregón to crush this Mexican bandit, whom John Pershing unsuccessfully attempted to capture in a 1916 expedition.

ANSWER: Francisco "Pancho" **Villa**

20. This woman's name may be derived from that of the cell of the church she stayed in. For 10 points each:

[10] Identify this English anchoress and mystic, whose *Revelations of Divine Love*, inspired by her near-death experience, was the first English-language book known to have been written by a woman.

ANSWER: **Julian** of **Norwich**

[10] This contemporary of Julian of Norwich is also the subject of mystical traditions, although hers are related to bridal theology. She is one of two patron saints of Italy, along with Francis of Assisi.

ANSWER: Saint **Catherine** of Siena

[10] This other woman received a mystical vision in the 15th century that she should fight for France in the Hundred Years' War. She was burned at the stake by the English for heresy.

ANSWER: Saint **Joan** of Arc [or **Jeanne** d'Arc]



21. Near the end of this speech, the inebriated protagonist mimics the voice of a “fanatical Nazi trooper” reading a pamphlet written by a Jewish Communist. For 10 points each:

[10] Identify this speech, during which the protagonist cathartically mocks Professor Welch. At its conclusion, the protagonist passes out drunk.

ANSWER: the “**Merrie England**” speech [prompt on “Jim Dixon’s speech”]

[10] The “Merrie England” speech is delivered by Jim Dixon in this British author’s novel *Lucky Jim*. His son, Martin, wrote *London Fields*.

ANSWER: Kingsley William **Amis**

[10] This Martin Amis novel begins as Tod Friendly seemingly recovers from death, and transitions through his various identities, such as that of the Nazi doctor Odilo Unverdorben.

ANSWER: ***Time’s Arrow***

22. The number of vertices of associahedra follow this sequence, which satisfies Segner’s recurrence relation, such that its  $n$ th plus one member equals the sum over  $k$  of the  $k$ th times the  $n$  minus  $k$ th member. For 10 points each:

[10] Name this sequence whose 200-plus known interpretations, like Dyck paths and polygon triangulations, were catalogued by Richard Stanley. Its  $n$ th member is  $2n$  choose  $n$ , all divided by  $n$  plus one.

ANSWER: **Catalan** numbers

[10] The asymptotic growth of Catalan numbers can be derived from Stirling’s approximation to this function. The number of permutations on  $n$  elements is this function of  $n$ , the product of positive integers up to  $n$ .

ANSWER: **factorial**

[10] This extension of the factorial to the complex numbers is given as the integral from zero to infinity of  $t$  to the  $z$  minus one power, times  $e$  to the minus  $t$  power, with respect to  $t$ .

ANSWER: **gamma** function

23. The Disney song “Zip-A-Dee-Doo-Dah” was based on a version of this song, which is one of four quoted in Charles Ives’s Second Symphony. For 10 points each:

[10] Identify this American folk song probably best known for being frequently played by ice cream trucks.

ANSWER: “**Turkey in the Straw**”

[10] “Turkey in the Straw” was popularized by minstrel shows in this style, in which white performers attempted to imitate the appearance of Africans.

ANSWER: **blackface**

[10] This anti-slavery minstrel song by Stephen Foster was written after he read *Uncle Tom’s Cabin*. It’s sung from the perspective of a slave who dreads being sold south, since the more northern estate he works on is kinder.

ANSWER: “**My Old Kentucky Home**”

24. One of these works admits: “Those are my best days, when I shake with fear.” For 10 points each:

[10] Name this collection. The speaker of another of these works tells its subject “to break, blow, burn and make me new.”

ANSWER: the ***Holy Sonnets*** [accept but do NOT reveal “John Donne’s ***Holy Sonnets***”; prompt on “Sonnets”]

[10] That aforementioned *Holy Sonnet* instructs this figure to “Batter my heart,” and admits to dearly loving this figure, despite being betrothed to this figure’s enemy.

ANSWER: “Batter my heart, **three-person’d God**” [prompt on “God”]

[10] This Metaphysical poet included, “Death, be not proud” among his *Holy Sonnets*.

ANSWER: John **Donne**