

“15/15 with a lot of lit and music. Various difficulties.”

1. This place is described as “rolling up out of chaos, a nine months’ wonder” in a poem that compares its inhabitants to a “thousand automatons.” In Allen Ginsberg’s *Howl*, “blind streets of shuddering cloud and lightning” leap towards poles of “Canada and [this place].” A character growing up in this city describes one of its high schools as “the equivalent of a medieval spectacle” and a “moronic inferno.” That character is an obese Dominican sci-fi nerd who fails to get a girlfriend and is bullied at Don Bosco Tech. A five-book poem about this place notes that it “lies in a valley under the Passaic Falls.” For 10 points, name this New Jersey city which is the first setting of *The Brief Wondrous Life of Oscar Wao*, as well as a namesake epic poem by William Carlos Williams.

Answer: **Paterson**, New Jersey

2. Fragments of one of this figure’s creations float to all corners of the world after that creation is destroyed when an eagle drops it into the sea. In one story, this mythological figure ploughs a field of vipers and fetches a bear and a pike to obtain the hand of a woman. That woman’s angry father Hiisi sends a wasp which causes this man’s creations to turn against their bearers. In another story, this figure was cursed after Kullervo turned his wife’s cattle into wolves before killing her. This god made a wife for himself out of gold which he grew dissatisfied with and tried to sell to his brother. In his pursuit for another wife, after making a crossbow, a ship, a cow, and a plow, he created a magic mill for Luohi called the Sampo. For ten points, name this blacksmith god and hero from the Kalevala.

ANSWER: Seppo **Ilmarinen**

3. The original 1915 version of Sibelius’s Fifth Symphony contains a particularly dissonant note played by this instrument over the “swan-call” motif. Fifteen of these instruments are used in a “Symphony-Poem” sometimes called Khachaturian’s third symphony. An offstage solo for this instrument quotes the Sanctus hymn and is found in the second movement of *Pines of Rome*. The “Ritual of Abduction” in the Rite of Spring begins with rapid scales on the piccolo variety of this instrument, which depicts the scoundrel Schmuyle in *Pictures at an Exhibition*. This instrument plays a C-sharp minor fanfare to open Mahler’s fifth symphony. For ten points, name this highest-pitched member of the brass family.

ANSWER: **trumpet**

4. A suburb of this city which annually receives an anomalous 110 inches of snow was also the site of a 2012 shooting where TJ Lane killed three students at Chardon High School. This city’s convention center lies underneath a large public park known as its namesake “Mall”. It’s not Detroit, but this city’s failure to incorporate higher-income neighborhoods has led to poverty and white flight in areas such as Glenville and Hough. This city is home to a building that was the second-highest in the world when completed in 1930, Terminal Tower. This city’s Gateway Plaza is home to both Progressive Field and Quicken Loans Arena and overlooks the Cuyahoga River, which caught fire in 1969. For ten points, name this “Mistake on the Lake”, an Ohio city situated on the Lake Erie shoreline.

Answer: **Cleveland**

5. This author noted that heaven is “solemn and marvelous” in a poem beginning with the narrator “walking out on a lonely road.” In a novel by this author, the title character consults with Dr. Werner before winning a cliffside duel over lust for Princess Mary, then leaves her. The title character of a poem by this author is “deeply bored” by evil and is banished from heaven after delivering a fatal kiss to a queen. This author of “Demon” wrote a novel in which Maxim Maximych tells the story of the title character to the unnamed narrator, who briefly meets him before discovering his diaries. For ten points, what Russian author depicted the superfluous man Pechorin in *A Hero Of Our Time*?

Answer: Mikhail **Lermontov**

6. A ruler from this family changed his name from Luocomo and was killed by the two sons of his predecessor. Another ruler from this family conquered the Volsci and Gabii during his reign, after which he allied with Lars Porsenna. The wife of a ruler from this family killed her father by running him over with a chariot. A ruler of this family began construction on the Cloaca Maxima and Temple of Jupiter on the advice of his wife Tanaquil. A

member of this family incurred the wrath of Collatinus and Brutus when he raped Collatinus's wife Lucretia. For ten points, name this Etruscan family that produced the last king of Rome.

Answer: the **Tarquin** family (or **Tarquins**, or **Tarquinius**, accept anything with **Tarquinius** in it)

7. In this state, purported members of a militia group called the "Minutemen American Defense" murdered Raul and Brisenia Flores in the town of Arivaca, which lies north of California Gulch. The Tohono O'odham Indian Reservation spans the Baboquivari Mountains in this state, which host an example of its "sky island" ecosystem. A 2011 *Time* article described how this state's Chiricahua Mountains are used as a lookout by Mexican drug cartels based in the border town of Nogales. For ten points, name this state where thousands of undocumented immigrants are trapped by border checkpoints between Sierra Vista and Tucson.

Answer: **Arizona**

8. The sites of Anzabegovo, Sitagroi, and Achilleon were excavated to attempt to locate this place. The Paleolithic continuity theory suggests that this place was inhabited millennia earlier than most hypotheses for its location and time. Hypotheses that this place was in western Europe were questioned by Aurel Stein's discovery of Tocharian tablets in the Tarim Basin. Nomadic pastoral cultures such as the Yamna were responsible for the exodus from this place, which one theory located by analyzing burial mounds. The theory that this place had a patriarchal belief system was advanced by Marija Gimbutas, who proposed the Kurgan hypothesis for the location of this place. For ten points, name this place that most researchers believe to be in the Pontic steppe, the origin of the world's largest language family.

Answer: the **Indo-European homeland** (accept equivalents)

9. The namesake of this reaction also formulated an early version of the principle of ionic dissociation. A Chinese group used microwaves and ultrasound as an alternative to industrial versions of this reaction, which often use phase transfer catalysts such as 18-crown-6 in lieu of the more traditional strong base. This reaction, which is performed between 50 and 100 degrees Celsius, cannot be performed on tertiary substrates because elimination product will be major. Sodium hydride is often used to reduce an alcohol in this reaction into an alkoxide nucleophile which attacks an alkyl halide substrate. For ten points, name this process usually used to make asymmetrical ethers, which proceeds through an SN2 mechanism.

Answer: **Williamson ether synthesis**

10. Composer and type of piece required. One of these compositions ends with only the tympani playing pickups to the last two of six chords separated by silence. The last three of these compositions take material from an abandoned tone poem about a moon goddess. The first of these compositions, in E minor, begins with a duet between clarinet and tympani and has a through-composed finale that ends with pizzicati in the strings. A C-F# tritone which features in the finale of the third of these compositions is the central thematic motif of the fourth, which reflects the composer's battle with throat cancer. The fifth of these pieces combines sonata form with a scherzo in the first movement, and its finale includes a "swan call" in the horns. A trombone plays a theme named for the composer's wife Aino in the seventh of these compositions, which is in one movement. For ten points, name this collection of compositions by the composer of *Finlandia*.

Answer: **symphonies by Jean Sibelius**

11. A deity in this belief system is knocked unconscious by a goddess masquerading as a fox while searching for his wife and child in a human town. In this belief system, earthquakes are caused by the movements of fish. In this belief system, the first human is the son of the figure Turesh. This belief system holds that a bird created land by beating water down with its wings and feet. Sacred offerings of sticks called *nusa* are often made in this belief system, which features a ceremony called *lyomante* where a bear cub is shot with arrows and sacrificed to the gods. Practitioners of this belief system believe every animal has a spirit called a *kamuy*, the most prominent being Kim-un Kamuy, the bear spirit. Tales of this belief system are passed down through oral sagas called *yukar*, which have only recently been rendered in romaji. For ten points, name this almost extinct belief system that was practiced by its namesake people on Hokkaido and Sakhalin.

Answer: the **Ainu** religion (accept equivalents, do not accept or prompt on anything mentioning **Japan**)

12. This work ironically describes a “Great Brakeman” who emphasizes the mundane aspects of God. In this work, a girl claims she is “sweet” when sick with lettuce poisoning. A bed that rotates into a bathtub enables the protagonist of this work to escape from what he assumes are hired assassins. A character in this work self-immolates himself and his family after an unsuccessful attempt to bribe God. The central family of this story establishes a strong magnetic field around their property to deter radar, and employs anti-aircraft guns to shoot down flyover planes. For ten points, the spoiled-rich family of Braddock Washington and their valuable abode is the target of what satire by F. Scott Fitzgerald?

Answer: The **Diamond as Big as the Ritz**

13. In one of these places, basic life necessities hang from a web that spans an abyss. The last described of these places consists of a juxtaposition of its past, present, and future, in one space. A goatherd in one of these places asks for its name, and proclaims that instead of the Meadow of the Low Sage, that place is “everywhere.” These places are repeatedly categorized as “continuous” and “thin”, and include Zobeide, Sophronia, and Olivia. Tales of each of these 55 places, delivered by Marco Polo, interrupt Kublai Khan’s ramblings on the pending loss of his empire. For ten points, name these places which represent different aspects of Venice and title a novel by Italo Calvino.

Answer: the **invisible cities** (accept **continuous cities** before mention, prompt on **cities** or **Venice**)

14. A satirical etching by this man depicts himself urinating against a wall and saying that he himself is a madman; that etching is titled *Le Pisseur*. A tall, three-sailed ship lies in the background of a painting by this man featuring a boat with red and blue paint splotches. A Native American death-mask lies next to the artist’s signature at the bottom of a painting where the title figure wears a placard with the word “Civet.” This artist of *The Rower* painted a scene of a Mardi Gras parade, with a halo around the title figure’s head and a banner reading “Viva La Sociale.” For ten points, name this artist of *Skeletons Fighting over a Hanged Man* and *Christ’s Entry into Brussels*.

Answer: James **Ensor**

15. The only speaker in this poem is a bird which repeatedly utters “Go.” This poem asks “will the clematis stray down; bend to us” in a section where the “black cloud carries the sun away.” Trochaic tetrameter is used in a section of this poem beginning with the image of “garlic and sapphires in the mud.” Many critics use the phrase “a shaft of sunlight” in this poem to analyze it in terms of sonata-allegro form. This poem’s first of five sections opens by noting that “time present and time past are both present in time future.” For ten points, name this poem by T.S. Eliot, the first of the Four Quartets.

Answer: **Burnt Norton**

Bonuses

1. Matrix biology may be boring, but it’s surprisingly important. Answer the following about ADAMTS proteins, for ten points each.

[10] Many ADAMTS proteases are responsible for processing this protein, which is important in hemostasis and is responsible for platelet adhesion in blood clotting.

Answer: **von Willebrand factor** (accept **VWF**)

[10] ADAMTS8 inhibits this process, which is the growth of new blood vessels from existing ones.

Answer: **angiogenesis**

[10] Inhibition of ADAMTS13 since birth results in Upshaw-Schulman syndrome, a form of this disease. This disease, which is treated with plasmapheresis, causes small blood clots to form throughout the body.

Answer: **TTP** (or **thrombotic thrombocytopenic purpura**)

2. Ducks are cool, so answer the following questions about the northern pintail, for ten points each.

[10] The northern pintail is the most widespread bird species with this property. Species of this type have only one subspecies.

Answer: **monotypic**

[10] The similarly long tails of the pintail and the unrelated long-tailed duck are an example of this evolutionary process, in which unrelated species develop similar phenotypic traits.

Answer: **convergent** evolution

[10] A study from the 1990s concluded that sexual selection in pintails is predominated by this mechanism, which is contrasted with male-male competition. Give the exact scientific term.

Answer: **female choice**

3. This seven-tongued god has a constant appetite for ghee, and his birth caused the first appearance of the sun. For ten points each,

[10] Name this Hindu god of fire.

Answer: **Agni**

[10] Agni is the namesake of a ritual which is performed by this woman to prove her chastity. This wife of Rama is kidnapped by Ravana in an Indian epic.

Answer: **Sita**

[10] This father of Agni is a member of the Trimurthi and is the Hindu creator god.

Answer: **Brahma** (do not accept or prompt on “Brahman”)

4. A composer from this country used different time signatures in the string and piano parts of a “September Rhapsody” which concludes his Trio in A Major. For ten points each,

[10] Name this country whose “Generation of 1880” included the composers Ildebrando Pizzetti and Luigi Malipiero.

Answer: **Italy**

[10] The generation of 1880 is most often associated with composition in this style. Igor Stravinsky’s Octet was one of his compositions in this style, which sought to revive forms from the day of Mozart and Haydn.

Answer: **neoclassicism**

[10] Perhaps the most famous of the Generation of 1880 was Ottorino Respighi, who composed three suites with this name after lute pieces from the Renaissance and Baroque.

Answer: **Ancient Airs and Dances**

5. Everton midfielder Gylfi Sigurdsson really is having a marvelous time after his £45 million transfer. For ten points each,

[10] Sigurdsson gets to play along this striker acquired from Manchester United on a free transfer. He recently retired from international football as England’s leading scorer.

Answer: Wayne **Rooney**

[10] Sigurdsson formerly played for this eternally mediocre Premier League team, which has somewhat improved since Paul Clement took over for Bob Bradley.

Answer: **Swansea** City

[10] Sigurdsson switched to number 18 after wearing this number with Swansea. This number has been more famously worn by LeBron James and Michael Jordan.

Answer: **23**

6. This man split imperial properties into the patrimonium and the res privata. For 10 points each;

[10] Name this Roman emperor who names a wall stretching from the Firth of Forth to the Firth of Clyde.

ANSWER: **Antoninus** Pius

[10] Antoninus Pius was the fourth of this group of emperors, who followed the Flavian dynasty and included Nerva and Trajan.

ANSWER: the **Five Good** Emperors

[10] Not usually included among the Five Good Emperors is this man, who served as co-emperor with Marcus Aurelius after Antoninus's death.

ANSWER: Lucius **Verus**

7. This force had its origins in a secret training site founded at Lipetsk in the 1920s. For 10 points each:

[10] Name this force which often utilized Messerschmitt Bf 109 fighters during engagements with the RAF.

Answer: **Luftwaffe**

[10] This *Generalfeldmarschall* of the Luftwaffe frequently attempted to preserve culturally important sites, including the monastery of Monte Cassino, even to the point of strategic disadvantages.

ANSWER: Albert **Kesselring**

[10] During the Battle of Britain, this man led the forces targeting Scotland. He was the representative of the Luftwaffe during the German unconditional surrender in Berlin.

Answer: Hans-Juergen **Stumpff**

8. This equation is imprecise because it uses macroscopic parameters and does not take into account collisions at the molecular level. For 10 points each,

[10] Name this equation which relates the activation energy to the log of the rate constant, named for a Swedish scientist.

Answer: **Arrhenius** equation

[10] In the Arrhenius equation, the constant A, which multiplies e raised to the power of the activation energy over RT, is known by this name. It adjusts for differences in molecule collision rates.

Answer: **pre-exponential factor** or **frequency factor**

[10] This equation developed as a result of transition-state theory is more accurate because it is derived from kinetic-molecular theory as well as thermodynamics.

Answer: **Eyring-Polanyi** equation (accept either answer)

9. This school puts more emphasis on reaching nirvana itself than the suffering needed to attain it. For 10 points each,

[10] Name this more conservative school of Buddhism practiced mainly in Southeast Asia.

ANSWER: **Theravada**

[10] Theravada derives its teachings from a "canon" written in this language, which is also known as the Tripitaka.

ANSWER: **Pali** Canon

[10] The highest of the four stages of enlightenment in Theravada is known by this name. Unlike its equivalent in Mahayana, this name can only be applied to one who has attained nirvana.

ANSWER: **arahant**

10. Aeneas finds King Evander building a temple to this figure. For ten points each,

[10] Name this hero who defeated a fire-breathing son of Vulcan who had been terrorizing the people of Latium.

Answer: **Hercules** (Do not accept or prompt on "Heracles")

[10] The aforementioned son of Vulcan was this giant. He was killed when Hercules suffocated him and his eyes popped out.

Answer: **Cacus**

[10] Hercules killed Cacus on his tenth labour, which involved him fetching these animals owned by Geryon.

Odysseus's men got in trouble for killing some of these animals sacred to Helios.

Answer: **cattle**

11. Sibelius's tone poem *The Wood Nymph* was adapted for this form with an orchestration of piano, strings, and two horns. For ten points each,

[10] Identify this type of work, which typically features a sole actor-narrator whose actions are accompanied by an ensemble.

ANSWER: musical **melodrama**

[10] Engelbert Humperdinck pioneered the Sprechstimme technique in his melodrama *Koenigskinder*. However, he is best known for this opera based on a Grimm brothers fairy tale about two children.

ANSWER: **Hansel und Gretel** [accept **Hansel and Gretel**]

[10] This 1832 musical melodrama by Hector Berlioz was inspired by his love Marie Moke. The title character of this work composes an overture to *The Tempest* after waking up from the opium dreams described in the *Symphonie fantastique*.

ANSWER: **Lelio**

12. A Dartmouth research group on this language family primarily studied the languages Evenki and Negidal. For ten points each,

[10] Name this primary language family of Asia, generally spoken in Siberia and northern China. Most of its languages are severely endangered, with under 100 living speakers.

Answer: **Tungusic** language family

[10] This Tungusic derivative in English generally refers to a holy man who converses with spirits. Among Tungusic peoples, these people generally direct religious and spiritual life.

Answer: **shaman**

[10] Perhaps the most well-known Tungusic language was this official court language of the Qing dynasty. It names a dry region of northern China.

Answer: **Manchu** (accept **Jurchen**)

13. French people are oddly into ballet. Answer some things about French impressionist ballet, for ten points each.

[10] *Jeux*, which depicts a tennis match, is the most famous ballet of this composer who also wrote the opera *Pelleas et Melisande* and wrote *Prelude to the Afternoon of a Faun*.

Answer: Claude **Debussy**

[10] Albert Roussel, another French composer, wrote a ballet-pantomime titled for this animal's feast. The piece ends with the funeral procession of a mayfly after being killed by this animal.

Answer: a **spider** (or **The Spider's Feast** or **La festin de l'araignee**)

[10] This other French composer wrote the ballet *La tragedie de Salome*. This member of the Apaches was among the most vocal hecklers at the premiere of the Rite of Spring.

Answer: Florent **Schmitt**

14. The age of these birds is often determined by their plumage "cycles". For ten points each,

[10] Identify these members of the family Laridae, who can also be identified by the color of their mantles and orbital rings. Kittiwakes are a member of this family, whose closest relatives are the terns.

ANSWER: **gulls** [Do not accept or prompt on **seagulls**]

[10] A common gull along the coasts of the United States is named for this fish. The pickled form of this fish is commonly served at Christmastime in the Nordic and Baltic countries.

ANSWER: **herring** [or American **herring** gull]

[10] The Kumlien's and Thayers' subspecies of a gull with this name are winter visitors to the eastern states. The city of Akureyri is located in the country of this name, which was once home to a pidgin of its language and Basque.

ANSWER: **Iceland** [or **Iceland** gull]

15. This man's *De Viris Illustribus* covered the lives of orators and poets. For ten points each,

[10] Name this Roman biographer, whose most famous work, *The Lives of the Twelve Caesars*, covers the lives of twelve emperors from the times of Julius Caesar to Domitian.

ANSWER: **Suetonius**

[10] This contemporary of Suetonius's minor works, *Agricola* and *Germania*, were published in AD 98. He is also known for his *Annals* and *Histories*.

ANSWER: **Tacitus**

[10] This Golden Age historian's incomplete *Historiae* spans the years 76-67 BC, but he completed two war histories entitled the *Bellum Catilinae* and *Bellum Jugurthinae*.

ANSWER: Gaius **Sallustius** Crispus

16. This president triumphantly signaled a "return to normalcy" with a new isolationist policy. For ten points each:

[10] Name this president, whose reputation was tarnished by the Teapot Dome scandal. He died of pneumonia in San Francisco, and was succeeded by Calvin Coolidge.

ANSWER: Warren G. **Harding**

[10] America's interbellum isolationist policy was supported by this 1928 agreement with France, in which the two countries promised to stay out of war.

ANSWER: **Kellogg-Briand** Pact

[10] An important step to ending isolationism among the Americas was this 1938 document. It provided for pan-American consultation should any New World state be threatened.

ANSWER: Declaration of **Lima**

