



Invitational Series #138  
Packet 1

Tossups

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naqt@naqt.com  
http://www.naqt.com

11521 W 69th Street  
Shawnee, KS 66203  
1.888.411.NAQT (1.888.411.6278)

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1. **This woman appears dressed in yellow in front of a burning city in a portrait by Dante Gabriel Rossetti. She escapes marriage to Theoclymenus [THEE-oh-klye-MEE-nus] after her husband is shipwrecked in Egypt in a play by Euripides [yoo-“RIP”-uh-deez]. Her husband, who won this woman's hand after the Oath of Tyndareus [“tin-DARE”-ee-us], was (\*) Menelaus [men-eh-LAY-uss]. “The face that launched a thousand ships” belonged to—for 10 points—what woman whose kidnapping by Paris caused the Trojan War?**

answer: Helen of Troy (or Helen of Sparta; accept Helena)

<329612>

2. **Prior to his Red River expedition, Zebulon Pike was tasked by James Wilkinson to find the source of this river; three decades later, its actual source was discovered by Henry Rowe Schoolcraft. In 1682 this river's entire basin was claimed by Robert de (\*) La Salle for France. Louis Joliet [LOO-ee zhohI-YAY] and the Jesuit Jacques Marquette [zhahk mar-KET] mapped the northern part of—for 10 points—what longest river in the United States?**

answer: Mississippi River

<364799>

3. **Archimedes' [ar-kuh-MEE-deez's] *The Sand Reckoner* attributes this idea to Aristarchus [“AIR”-ih-“STAR”-kuss], who supported it by assuming the stars are far away, thus giving no observed parallax [“PAIR”-uh-laks]. It was defended in the *Dialogue Concerning the Two Chief World Systems*, prompting a trial by the (\*) Roman Inquisition. *De revolutionibus* [day reh-vo-loo-tee-OH-ni-bus] outlines—for 10 points—what model supported by Galileo and Copernicus that places the sun at the center of the solar system?**

answer: heliocentrism (accept word forms such as heliocentric model; accept the sun is at the center of the solar system/galaxy/universe or similar answers before “sun”)

<360410>

4. **This author wrote about corrupt businessman Frank Cowperwood in *The Financier*, the first novel in his *Trilogy of Desire*. In another novel by this author, a rowboat trip on Big Bittern Lake leads to Roberta Alden's death. This author also wrote a naturalist novel in which George Hurstwood is abandoned by actress (\*) Caroline Meeber. For 10 points—name this author of *An American Tragedy* and *Sister Carrie*.**

answer: Theodore (Herman Albert) Dreiser [“DRY”-zur]

<361192>

5. **In the 1880s immigrants from this country formed a mercantile [MUR-kun-"tile"] association known as the Six Companies. The U.S. granted this country "most favored nation" status in the 1868 Burlingame Treaty. Thousands of laborers from this country were recruited by the Central Pacific (\*) Railroad to build the first transcontinental railroad. For 10 points—name this country whose laborers were targeted by a namesake 1882 "Exclusion Act."**

answer: China (or Zhongguo; accept Chinese Exclusion Act after "Exclusion")

&lt;361712&gt;

6. **One metal in this group is found in the MRI contrast agents Omniscan and Magnevist [MAG-nuh-vist]. These elements experience an unexpectedly large decrease in atomic radius known as their namesake "contraction." Electrons first occupy *f* subshells in these elements, which include (\*) cerium [SEE-ree-um], gadolinium [gad-oh-LIN-ee-um], and the unstable promethium [pro-MEE-thee-um]. For 10 points—name this group of "rare earth" elements found on the periodic table above the actinides [AK-tih-nydes].**

answer: lanthanides [LAN-thuh-nydes] or lanthanoids (accept variants containing either underlined term; accept lanthanide contraction)

&lt;362944&gt;

7. **In one novel by this author, a writer named Terence Hewet falls in love with Rachel Vinrace while she is on the title journey to Santa Marina. This author of *The Voyage Out* also depicted a dinner party attended by Augustus Carmichael and Minta Doyle in a novel set at a summer house in the (\*) Hebrides [HEH-brih-deez]. For 10 points—what member of the Bloomsbury Group wrote about the Ramsay family in *To the Lighthouse*?**

answer: (Adeline) Virginia Woolf (or Adeline Virginia Stephen)

&lt;348797&gt;

8. **The federal government stopped using this material pursuant to an act that became known as the "Crime of '73." In 1878 Congress passed a law requiring the Treasury to purchase between two and four million dollars worth of this material each month; that act was named for Richard (\*) Bland and William Allison. An 1890 "purchase act" named for John Sherman increased—for 10 points—government acquisitions of what precious metal?**

answer: silver (accept Sherman Silver Purchase Act)

&lt;364159&gt;

9. **This woman mentored her future husband at the law firm Sidley Austin, and she later introduced him to Valerie Jarrett. She spearheaded the creation of the Task Force on Childhood (\*) Obesity to promote her "Let's Move" campaign, which encourages exercise. This woman served on the board of the UChicago Lab School when her daughters Sasha and Malia [muh-LEE-uh] were students there. For 10 points—name this current First Lady.**

answer: Michelle (LaVaughn Robinson) Obama (accept either underlined name)

&lt;363084&gt;

10. **This deity cries tears of red gold when her husband is away. A rime ["rhyme"] giant offers to build some walls in exchange for the sun, the moon, and this goddess. Her possessions include a feathered cloak, which Loki borrows to spy on Thrym [thrim]. In that same myth, Thor regains his hammer by dressing as this (\*) Vanir [VAH-neer] goddess. She sleeps with four dwarves to get the necklace Brisingamen [BREE-sing-AH-men]. For 10 points—name this Norse love goddess.**

answer: Freyja [FRAY-uh] (or Freyja; do not accept or prompt on "Frey" or "Frigga")

&lt;361796&gt;

11. **Sphingolipid [s'FING-oh-LIP-id] synthesis is completed in this organelle where plant cells synthesize pectins. Proteins destined for the lysosome [LYE-suh-zohm] are tagged with mannose-6-phosphate [MAN-nohss "six" FAHSS-"fate"] here, and vesicles [VEH-sih-kulz] entering these objects are coated with COPII ["cop two"] in the (\*) ER ["E-R"]. Those vesicles move from this organelle's *cis* [siss] face to its *trans* face. For 10 points—what organelle that modifies and packages proteins is named for an Italian biologist?**

answer: Golgi [GOHL-jee] apparatus (or Golgi complex or Golgi body or Golgi bodies; accept dictyosome)

&lt;362850&gt;

12. **One side in this war besieged the cities of St. Omer and Tournai** [tur-NAY] **after winning a naval battle at Sluys** [SLAW-iss]. **During this war, King John II was captured at the Battle of Poitiers** [pwah-tee-AY] **by Edward the Black Prince. English forces in this war were victorious at (\*) Agincourt** [AH-zhin-koor], but were forced to abandon the Siege of Orléans [or-lay-ahn] by a force under Joan of Arc. For 10 points—name this war between France and England that lasted over a century.

answer: Hundred Years' War

&lt;354635&gt;

13. **This team won its first championship by beating the St. Louis Hawks in 1957; that team featured such future Hall of Famers as Frank Ramsey and Tom Heinsohn. Two years later, this team swept the Minneapolis Lakers to win the first of eight consecutive NBA championships. (\*)** For 10 points—name this NBA franchise that has won a record 17 titles with such players as John Havlicek ["have"-lih-"CHECK"], Bill Russell, and Larry Bird.

answer: Boston Celtics ["SELL"-tikz] (accept either)

&lt;361248&gt;

14. **This behavior names an "induction trigger" taken from blood serum that activates opioid** [OHP-ee-oyd] **receptors. Some animals utilize interscapular** ["inter"-SKAP-yoo-lar] **deposits of brown fat to help them perform this behavior. Many reptiles engage in similar behaviors like brumation** [broo-MAY-shun] **and estivation** [ess-tih-VAY-shun]. **This behavior causes (\*) torpor** [TOR-pur], resulting in low metabolic rates. For 10 points—name this physiological state that many rodents enter in winter.

answer: hibernation (accept word forms such as hibernating; prompt on "torpor" before "torpor"; do not accept or prompt on "sleep")

&lt;362379&gt;

15. **This character asks "Where is the ruler of this folk?" after interrupting a New Year's feast. This character makes a false second stroke after his first blow makes his opponent flinch. Lord Bertilak** [BURT-ih-lak] **is the true identity of this character, whose strange appearance results from Morgan le Fay's magic. A "beheading game" is proposed to the (\*) Knights of the Round Table by—** for 10 points—what colorful warrior faced by Sir Gawain [guh-"WAYNE"]?

answer: Green Knight (accept Lord (or Sir) Bertilak or Berkilack or Bernlak or Bercilak de Hautdesert before "Bertilak"; prompt on "(de) Hautdesert")

&lt;365140&gt;

16. **In a 1989 film this figure autographs the diary of Henry Jones. This man's secretary Traudl Junge** [TRAO-dull YOON-guh] **is the central character of the 2004 film Downfall. The protagonists of The (\*) Producers stage a musical titled "Springtime for" this man. The cover of the first issue of Captain America Comics depicts this man being punched. This man wrote the memoir Mein Kampf** ["mine" kahmpf]. For 10 points—name this Führer ["FEW"-rur] of Nazi Germany.

answer: Adolf Hitler (accept Springtime for Hitler)

[Hitler signs the diary of Henry Jones in *Indiana Jones and the Last Crusade*.]

&lt;359721&gt;

17. **Diffusion of these particles in the early Universe leads to Silk damping, which smooths out primordial density fluctuations. They form waves that exhibit negative phase velocities in negative-index metamaterials** ["meta-materials"]. **They have spin 1 but only two allowed spin states, due to having zero rest (\*) mass. They are generated in a coherent, monochromatic manner by stimulated emission. For 10 points—name these quanta of light.**

answer: photons

&lt;359674&gt;

18. **In March 2014 Saudi Arabia and two other countries recalled their ambassadors to this country to protest its support for the Muslim Brotherhood in Egypt. By some estimates, 700 Indian workers have died here constructing (\*) stadiums for a 2022 sporting event whose bidding process was marred by corrupt dealings with FIFA. That World Cup is scheduled to take place in—** for 10 points—what Arab country whose capital is Doha?

answer: (State of) Qatar [KAHT-tar] (or Dawlat Qatar)

&lt;362857&gt;

19. **The French were forced out of this modern-day country after Eyre Coote** <sup>[ˈaɪr ˈkooʊt]</sup> **won the Battle of Wandiwash** [WAHN-dee-ˈwash]. **In 1799 the future Duke of Wellington helped besiege this country's city of Seringapatam** [seh-RIN-gah-pah-TAM]. **Robert (\*) Clive** won the Battle of Plassey in this country, which was put under British rule after the Sepoy Mutiny. For 10 points—name this country where the British Raj constructed New Delhi.

answer: (Republic of) India (or Bharat(iya) Ganarajya)

&lt;361311&gt;

20. **The title character of this opera sings about an ancestress who was killed by Tartars in the aria "In questa reggia"** [een KWAY-stah RAY-jah]. **This opera's male lead tells his slave-girl not to cry in "Non piangere, Liù,"** [nohn pyan-JAIR-ay lyoo] **before accepting the challenge to answer three (\*) riddles.** As this opera's title character tries to learn Calaf's name, Calaf sings "Nessun dorma" [NAY-soon DOR-mah]. For 10 points—what final opera by Giacomo Puccini [JAH-koh-moh poo-CHEE-nee] is named after a Chinese princess?

answer: Turandot [TUR-an-doh]

&lt;359626&gt;

21. **A 2011 explosion at a naval base destroyed most of this country's city of Zygi** [zee-yee], **which lies north of Akrotiri** [ak-roh-TEER-ee] **Bay. Calcium carbonate deposits known as "Kafkalla"** [kahf-kah-lah] **cover much of this island's Mesaoria** [meh-suh-ORE-ee-uh] **plain, which lies between its Troodos** [troo-dohss] **and Kyrenia** [kai-ree-nee-uh] **mountains. The Green Line separates the (\*) Turkish and Greek portions of—** for 10 points—what Mediterranean island, whose capital is Nicosia [NIK-oh-SEE-ah]?

answer: (Republic of) Cyprus (or Kypros or Kipriaki Dimokratia or Kibris Cumhuriyeti)

&lt;364373&gt;

22. **Pencil and paper ready. Pete needs to find the angle between zero degrees and 360 degrees that is coterminal with an angle of 3,285 degrees. He knows that coterminal angles are separated by a number of 360-degree turns, so he subtracts as many multiples of 360 as possible. Since 10 turns equal 3,600 degrees, he is able to compute (\*)** —for 10 points—what angle that is coterminal with an angle of 3,285 degrees?

answer: 45 degrees (or  $\pi/4$  radians or  $1/4 \pi$  radians or  $0.25 \pi$  radians; do not accept or prompt on "1/4" or "0.25")  
[3600 – 3285 = 315, so 360 – 315 = 45 degrees]

&lt;359237&gt;

23. **This author wrote about an impostor named Khlestakov** [KLESS-tah-koff], **who passes himself off as an important official in the play *The Inspector General*. Another work by this author centers on the scheming Chichikov** [CHIH-chih-koff], **who hopes to acquire a loan by using deceased serfs as collateral in the novel (\*) *Dead Souls*.** In a story by this author, Akaky Akakyevich [ah-KAH-kee ah-KAHK-yuh-vitch] is robbed of the title garment. For 10 points—name this author of "The Overcoat."

answer: Nikolai (Vasilievich) Gogol [GOH-gul]

&lt;348317&gt;

24. **Khone** [KOH-nay] **Falls generally divides the upper and lower portions of this river, which allegedly expels basketball-size phenomena known as "Naga** [NUH-guh] **fireballs."** **The eastern Salween** [SAL-ween] **River runs parallel to this river, whose annual floods fill the Tonlé Sap** [TAWN-lay SAP] **in (\*) Cambodia. Vientiane** [vyen-TYAHN] **and Ho Chi Minh City lie on—** for 10 points—what river that empties into the South China Sea in southern Vietnam?

answer: Mekong [MAY-kong] River

&lt;364794&gt;



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Bonuses

1. Pencil and paper ready. Consider a cube whose sides each have a length of 4. For 10 points each—compute . . .

A. The volume of the cube.

answer: 64 [ $V = s^3 = 4^3 = 64$ ]

B. The volume of a sphere that is inscribed within the cube. You have 10 seconds.

answer:  $\frac{32}{3}\pi$  or  $\frac{32\pi}{3}$  or  $\frac{10}{3}\pi$  (do not accept or prompt on “ $\frac{32}{3}$ ” or “ $10\frac{2}{3}$ ”) [The sphere will have a diameter of 4 and thus a radius of  $\frac{4}{2} = 2$ ;  $V = \frac{4}{3} \times \pi \times r^3 = \frac{4}{3} \times \pi \times 2^3 = \frac{4}{3} \times \pi \times 8 = \frac{32}{3}\pi$ .]

C. The length of the space diagonal connecting opposite vertices of the cube.

answer: 4 times the square root of 3 or 4 root 3 or 4 radical 3 [Since the faces are squares, a face diagonal will have a length of  $4\sqrt{2}$ , and a space diagonal is the hypotenuse of a right triangle whose legs are an edge and a face diagonal, so  $c = \sqrt{a^2 + b^2} = \sqrt{4^2 + (4\sqrt{2})^2} = \sqrt{16 + (16 \times 2)} = \sqrt{16 \times 3} = 4\sqrt{3}$ .]

<362959>

2. Pigouvian measures of this type are used to counter negative externalities. For 10 points each—

A. Name these fees that a state levies on certain goods or services, usually to raise money for government operations.

answer: taxes (accept word forms such as taxation; accept duty or duties; do not accept “tariff(s)”)

B. This curve, which plots tax rate against government revenue, predicts that a government will collect no revenue at tax rates of 0% or 100%.

answer: Laffer curve

C. Lindahl taxes are one proposal for taxing this type of good, which is non-excludable and non-rivalrous.

answer: public good(s)

<360750>

3. While in college, this novel's protagonist thinks “I'll get my hands on one of these prairie towns and make it beautiful.” For 10 points each—

A. Name this novel in which Carol Kennicott struggles to transform the hidebound town of Gopher Prairie.

answer: Main Street(: The Story of Carol Kennicott)

B. Gopher Prairie was based on the town of Sauk Centre in this state.

answer: Minnesota

C. *Main Street* was written by this author, the first American to win the Nobel Prize in Literature.

answer: (Harry) Sinclair Lewis

<350194>

4. This country's island of Bioko [bee-OH-koh] contains its capital city of Malabo [mah-LAH-boh]. For 10 points each—
- A. Name this Spanish-speaking African country whose mainland portion, called Río Muni, is sandwiched between Cameroon and Gabon [gah-BOHN].

answer: (Republic of) Equatorial Guinea (or República de Guinea Ecuatorial or République de Guinée équatoriale; do not prompt on "Guinea")

- B. Bioko is just southeast of the delta of this third-longest African river. Cities along it include Niamey [nee-AH-may], the capital of its namesake country.

answer: Niger [NYE-jer OR nee-ZHER] River

- C. Bioko is within this bight that shares its name with a Igbo-dominated region of Nigeria that briefly declared independence in 1967.

answer: Bight of Biafra (accept Bight of Bonny)

&lt;358849&gt;

5. In 1831 the French physician Pierre Blaud [bloh] introduced the first pills to treat anemia. For 10 points each—

- A. They contained a salt of this transition metal found in hemoglobin.

answer: iron

- B. Specifically, they contained a salt of iron with this tetrahedral [TEH-truh-HEE-druh] anion [AN-"ion"]. It is also found in gypsum [JIP-sum].

answer: sulfate or SO<sub>4</sub><sup>2-</sup> (accept FeSO<sub>4</sub> or iron(II) sulfate or ferrous sulfate)

- C. Iron(II) ["two"] sulfate is also used in the "china blue" method of applying this dye sometimes called "blue gold." Adolf von Baeyer ["buyer"] synthesized it in the 1870s.

answer: indigo

&lt;358950&gt;

6. Appointed by Ronald Reagan in 1988, he is often seen as the Supreme Court's swing vote. For 10 points each—

- A. Name this justice who worked with Reagan when Reagan was governor of California.

answer: Anthony (McLeod) Kennedy

- B. Kennedy wrote the majority opinion in this Supreme Court case that struck down the Defense of Marriage Act in 2013.

answer: United States v. Windsor

- C. Kennedy's decision in *Windsor* was criticized by this other Reagan appointee, the current senior associate justice.

answer: Antonin (Gregory) Scalia [an-tuh-NEEN skuh-LEE-uh]

&lt;364076&gt;

7. Sibyl [SIH-bull] Vane tells this novel's title character "I have grown sick of shadows." For 10 points each—

- A. Name this novel in which Sibyl loses her acting talent after falling in love with the shallow title character.

answer: The Picture of Dorian Gray (do not accept "(The) Portrait of Dorian Gray")

- B. *The Picture of Dorian Gray* was written by this author of the play *An Ideal Husband*.

answer: Oscar (Fingal O'Flahertie Wills) Wilde ["wild"]

- C. Wilde also wrote this play in which Jack Worthing is shocked to find that "all his life he has been speaking nothing but the truth."

answer: The Importance of Being Earnest(, A Trivial Comedy for Serious People)

&lt;357548&gt;

8. In 1889 he committed himself to a mental hospital in Saint Rémy de Provence [san ray-mee duh proh-vawnnss]. For 10 points each—

- A. Name this Post-Impressionist whose first major work was *The Potato Eaters*.

answer: Vincent (Willem) van Gogh

- B. Van Gogh committed himself after cutting off part of an ear in this French town. In 1888 he painted a picture of his bedroom there.

answer: Arles [ar] (accept Bedroom at Arles or La Chambre à Arles or Slaapkamer te Arles)

- C. While in Arles, van Gogh worked with this painter of *The Yellow Christ*, who depicted Jacob wrestling with an angel in *Vision After the Sermon*.

answer: (Eugène Henri) Paul Gauguin [goh-gan]

&lt;197450&gt;

9. Sometimes, very similar abbreviations refer to very different things. For 10 points each—
- A. The abbreviation IUD [ˈeye-ˈYOO-dee] refers to an intrauterine [ˈintra-ˈYOO-tuh-rin] device used for this purpose, which is also achieved by medication colloquially called “the pill.”  
 answer: contraception or birth control (accept contraceptives or fertility control or any answer that indicates the prevention of pregnancy or conception)
- B. An IED [ˈeye-ˈEE-dee] is this kind of destructive “device” exemplified by a crude terrorist bomb, which is built and used in an unconventional manner.  
 answer: improvised explosive device (prompt on partial answers)
- C. The abbreviation IAD [ˈeye-ˈAY-dee] appears on luggage tags headed for a Washington, D.C. airport named for this staunch anti-communist, who served as Dwight Eisenhower's secretary of state.  
 answer: John Foster Dulles [ˈdull-ˈuss] (accept Washington Dulles International Airport)
- <362676>
10. For 10 points each—answer these questions about heat:
- A. What form of heat transfer occurs when heat flows spontaneously from a hotter object to a colder object in direct contact with it?  
 answer: conduction (accept conducting, conducts, conducted, or conductivity; do not accept or prompt on “conductor”)
- B. What unit of heat, equal to about 250 calories, is the amount of heat needed to raise the temperature of one pound of water by one degree Fahrenheit?  
 answer: BTU (or British thermal unit)
- C. Which British scientist showed that water could be heated by stirring it with a paddle wheel, and that the temperature rise was directly proportional to the work done by the wheel?  
 answer: James Prescott Joule [ˈjewel]
- <361857>
11. Just before this battle, three British generals arrived on HMS *Cerberus*. For 10 points each—
- A. Name this 1775 battle which, despite its name, was mostly fought on Breed's Hill.  
 answer: Battle of Bunker Hill
- B. This physician and leader of the Boston Committee of Correspondence died during an attack on Breed's Hill.  
 answer: Joseph Warren
- C. William Howe, the victorious commander at Bunker Hill, went on to capture this city in 1777, a year after the Declaration of Independence was signed here.  
 answer: Philadelphia
- <361887>
12. For 10 points each—name these American entertainment venues:
- A. After the May 2010 flood of the Cumberland River, most of the shows at this Nashville country music hall were temporarily housed at the Ryman [RYE-min] Auditorium.  
 answer: The Grand Ole Opry (House) (do not accept “Grand Old Opry”)
- B. This largest natural amphitheater in the U.S. and summer home of the Los Angeles Philharmonic can be found at 2301 North Highland Avenue.  
 answer: Hollywood Bowl
- C. Peter Ilyich Tchaikovsky [chye-KOFF-skee] was a guest conductor at this midtown Manhattan performance center when it opened on May 5, 1891. It is named for a philanthropist and steel magnate.  
 answer: Carnegie Hall
- <300655>

13. This author wrote about the moral hypocrisy of the al-Jawad [ahl-zhah-WAHD] family patriarch in *Palace Walk*. For 10 points each—

A. Name this Nobel Prize-winning author who continued the story of the al-Jawad family in his novels *Palace of Desire* and *Sugar Street*.

answer: Naguib Mahfouz [nah-GHEEB mah-FOOZ]

B. *Palace Walk*, *Palace of Desire*, and *Sugar Street* form a “Trilogy” named after this Egyptian capital.

answer: Cairo (or al-Qahirah; accept Cairo Trilogy)

C. Mahfouz called this ancient Egyptian pharaoh a “Dweller in Truth” in the title of a 1985 novel that describes this ruler’s efforts to found a monotheistic religion.

answer: Akhenaten [ahk-NAH-tun or AH-ken-AH-tun] (or Akhenaton or Amenhotep IV [ah-mun-HOH-tep “the fourth”] or Amenophis IV [ah-mun-OH-fiss “the fourth”] or Ikhnaton or Khuenaten; accept Akhenaten, Dweller in Truth; prompt on “Amenhotep” or “Amenophis”)

&lt;364467&gt;

14. One of these viruses, known as T1 [“T one”], was used to induce mutations in the Luria-Delbruck [LOO-ree-uh-DEL-“brook”] experiment. For 10 points each—

A. Name these viruses that replicate by infecting bacteria.

answer: bacteriophages [FAY-jiz]

B. In this type of reproductive cycle, a bacteriophage replicate hundreds of times inside a bacterium until the bacterium bursts.

answer: lytic [LIH-tik] cycle

C. This other experiment, also named for two scientists, used phages tagged with radioactive sulfur and phosphorus to show that DNA, not protein, carries genetic material.

answer: Hershey-Chase experiment

&lt;362245&gt;

15. For 10 points each—name these men who served in the cabinet of Abraham Lincoln:

A. This secretary of state continued to serve under Andrew Johnson and negotiated the purchase of Alaska.

answer: William (Henry) Seward (Sr.)

B. This secretary of war took office in 1862. An attempt to remove him led to the impeachment of Andrew Johnson.

answer: Edwin (McMasters) Stanton

C. This founder of the *Hartford Evening Press* orchestrated the blockade of Southern ports as Lincoln’s secretary of the navy.

answer: Gideon Welles

&lt;227536&gt;

16. This composer dedicated *Le tombeau de Couperin* [luh tawm-boh duh koo-puh-ran] to his friends who fell in World War I. For 10 points each—

A. Name this French composer of *Gaspard de la nuit* [gahss-par duh lah n’wee] who also wrote a one-movement orchestral piece with a snare drum *ostinato* [ahss-tih-NAH-toh], and orchestrated Mussorgsky’s *Pictures at an Exhibition*.

answer: (Joseph-)Maurice Ravel [rah-vel]

B. The snare drum *ostinato* appears in this Ravel piece, commissioned as a ballet for Ida Rubinstein. It is named for a Spanish dance.

answer: Boléro [boh-LAY-roh]

C. Ravel wrote this piece in D major for Paul Wittgenstein, a World War I veteran who lost the use of one of his arms.

answer: Piano Concerto for the Left Hand (or Concerto pour la main gauche; prompt on partial answer)

&lt;360774&gt;



17. Across the river from this national park lie the protected areas of Maderas [muh-"DARE"-us] del Carmen and the Santa Elena [eh-LAY-nuh] Canyon. For 10 points each—
- A. Name this national park along the U.S.-Mexican border.  
answer: Big Bend National Park
- B. Big Bend National Park is in the western part of this U.S. state.  
answer: Texas
- C. By the Treaty of Guadalupe Hidalgo [GWAH-duh-LOO-pay hih-DAHL-goh], the territory protected by Big Bend National Park only extends to the deepest channel of this river.  
answer: Rio Grande (or Río Bravo del Norte)
- <363040>
18. This game show was hosted by Bob Barker for over three decades until his retirement in 2007. For 10 points each—
- A. Name this show on which players try to guess the values of everyday items.  
answer: The Price is Right
- B. Since 2007 *The Price is Right* has been hosted by this comedian, who previously starred in a namesake sitcom set in Cleveland.  
answer: Drew (Allison) Carey (accept The Drew Carey Show)
- C. Prior to his work on *The Price Is Right*, Carey hosted this comedy improv series. In 2013 a new version of it starring Aisha Tyler began airing on the CW ["C" "W"].  
answer: Whose Line Is It Anyway?
- <340542>
19. *After Dark* was written by this Japanese novelist, who described Toru Watanabe's relations with Reiko and Naoko in *Norwegian Wood*. For 10 points each—
- A. Name this contemporary author who also wrote *1Q84* ["one Q eight four"] and *The Wind-Up Bird Chronicle*.  
answer: Haruki Murakami (accept names in reverse order)
- B. Another Murakami novel is named for this novelist "on the Shore." This native of Prague described Gregor Samsa's transformation in *The Metamorphosis*.  
answer: Franz Kafka (accept Kafka on the Shore or Umibe no Kafuka)
- C. In this Franz Kafka short story, the Commandant gives a Traveler a tour of the title location, showing him an unusual and elaborate writing machine.  
answer: In the Penal Colony (or In der Strafkolonie)
- <310036>
20. According to a forged document known as his "donation," this emperor supposedly granted the western part of the Roman Empire to Pope Sylvester I. For 10 points each—
- A. Name this first Christian Roman emperor, whose Edict of Milan established legal toleration for Christians.  
answer: Constantine I or Constantine the Great (or Flavius Valerius Aurelius Constantinus Augustus)
- B. In 325 Constantine convened this ecumenical council, which promulgated a namesake "creed."  
answer: (First) Council of Nicaea [nye-SEE-uh] (accept Nicene [NYE-seen] Creed or Creed of Nicaea)
- C. The Council of Nicaea condemned this heresy, which claimed that since Christ was created by God, he was not equal to God the Father in the Trinity.  
answer: Arianism ["AIR"-ee-un-ism] (or Arian heresy)
- <362172>

21. Philosophers have considered whether all truths of this kind are also analytic truths. For 10 points each—

A. Give the Latin name for this type of proposition. Truths of this kind are knowable independent of sense experience, in contrast with *a posteriori* [ah pohss-tee-ree-OR-ee] truths.

answer: a priori [ah pree-OR-ee] truths

B. This German philosopher argued that some *a priori* truths are synthetic, not analytic, in his *Critique of Pure Reason*.

answer: Immanuel Kant [kahnt]

C. Kant, like Voltaire, was part of this 18th-century intellectual movement, which Kant called “mankind’s emergence from its self-imposed immaturity.”

answer: (the) Enlightenment (or Aufklärung; accept What Is Enlightenment? or Was ist Aufklärung?)

<361384>

22. By definition, it takes 2 pi of these units to rotate around the entire arc length of a circle. For 10 points each—

A. Name these units of angle measure, which can be converted into degrees by multiplying by 180 over pi.

answer: radians (prompt on “rad(s)”)

B. This is the smallest positive number of radians at which the cosine function outputs zero and the tangent function is undefined.

answer: pi/2 radians or 1/2 pi radians

C. The steradian, an analogue of the radian, measures this property—a measure of the surface area subtended by a surface projected onto a sphere.

answer: solid angle (prompt on “omega” or “big omega”; do not prompt on “angle”)

<361436>

23. The Paris Peace Conference at the end of World War I was dominated by a group known as the “Big Four.” For 10 points each—

A. The conference produced this 1919 treaty ending the war with Germany.

answer: Treaty of Versailles [vur-“sigh”] (or Peace of Versailles)

B. The Big Four included this Italian prime minister, who resigned from Italy’s parliament in 1925 to protest the Fascist takeover of government.

answer: Vittorio (Emanuele) Orlando

C. Orlando became prime minister after Italy’s catastrophic defeat at this October 1917 battle depicted in *A Farewell to Arms*.

answer: Battle of Caporetto (or Twelfth Battle of the Isonzo or Battle of Karfreit)

<352340>

24. For 10 points each—identify these films with prominent characters named Ash:

A. Ash is the disgruntled son of George Clooney’s title character in this animated adaptation of a Roald Dahl novel about animals outwitting farmers.

answer: Fantastic Mr. Fox

B. Bruce Campbell’s Ash suffers from his encounter with the book *Nyturan Demonta* [nye-TUR-un duh-MAHN-tuh] in this Sam Raimi [RAY-mee] film, which spawned two sequels, including *Army of Darkness*.

answer: The Evil Dead (do not accept “Evil Dead II: Dead by Dawn”)

C. In this science fiction film, Ian Holm plays the android Ash, who secretly protects the developing title character while Ripley and her shipmates try to kill it.

answer: Alien (do not accept “Aliens”)

<261699>