

2007-2008 High School Championship
Packet 1

Tossups

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1. **One consequence of this law is that jars placed in a refrigerator become harder to open. A molecular interpretation is that as a gas's energy increases, molecules collide more with the container's walls. Amedeo Avogadro added particle numbers and (*) volumes to this law to formulate his own namesake law. For 10 points—name this law that, for ideal gases, the quotient of pressure and temperature is constant.**

answer: Gay-Lussac(s) law (prompt on "ideal gas law")

<207080>

2. **This mythological character shares his first name with the leader of the Jameson Raid that contributed to the Second Boer War. He was a youth from Abydos [uh-BYE-dus] whose principal exploit was emulated by Lord Byron. He loved a European priestess of (*) Aphrodite and would cross the Hellespont nightly to see her. For 10 points—name this title character of a Christopher Marlowe poem who drowned while swimming to see Hero.**

answer: Leander

<213596>

3. **This 1890 book argued that rainmaking was an example of sympathetic magic. Subtitled "A Study in Magic and Religion," it claimed that primitive religions centered on a belief in the sacrifice and rebirth of a sacred king or god. It was titled for an object that allowed entrance to (*) Hades in *The Aeneid* [uh-NEE-id]. For 10 points—name this work by Sir James Frazer [FRAY-zur] whose title suggests a metallic branch.**

answer: The Golden Bough

<187324>

4. **This man's son won the 1975 Nobel Prize for his description of asymmetrical nuclei. He himself inspired the name of hafnium and a constant equal to an electron's charge times h bar divided by twice its mass, a number known as his (*) "magneton." He is credited with the principle of complementarity and much of the Copenhagen interpretation. For 10 points—name this Danish physicist with a quantum model of the atom.**

answer: Niels (Henrik David) Bohr
[Hafnium is named for the Latin name of Copenhagen.]

<213210>

5. **William Broughton named it for the man who defeated the Comte de Grasse near St. Kitts in 1782. It is part of a national forest that includes Lost Lake. The valleys of the Sandy and Zigzag Rivers, tributaries of the Columbia, were created by its (*) eruptions, the last of which occurred in 1865. In December 2006 three men were killed trying to climb—for 10 points—what dormant stratovolcano in the Cascades of Oregon?**

answer: Mount Hood

<213383>

6. **This man denounced the Japanese regime at the 1946 war crimes trials, saying they had forced him to convert to Shinto and marry a Japanese-educated wife. At his death he served on a political advisory board in Communist China, though his government had fought Soviet and Chinese forces while he ruled as the Kangde (*) Emperor. For 10 points – name this onetime ruler of the puppet state Manchukuo, the last emperor of China.**

answer: Henry Puyi (or Aixinjueluo Puyi or Xuantong or Datong)

<174024>

7. **At the invitation of his friend Georges Clemenceau [zhorz kleh-min-soh], this man created eight enormous paintings – 298 feet long in total – for two oval rooms in the Musée de l'Orangerie [myoo-zay de loh-rawn-zhuh-ree]. These late works were painted near the Japanese garden at his (*) Giverny [zhee-vair-nee] home, and are known simply as *Nymphs*, or *Water Lilies*. For 10 points – name this French Impressionist who gave the movement its name with his *Impression: Sunrise*.**

answer: (Oscar-)Claude Monet [moh-nay]

<192530>

8. **In 2007 this company promised a bid of \$4.6 billion on “Block C” if four “open access” requirements were written into the terms of a wireless spectrum auction. In May 2008 it began blurring faces in its Street View product due to privacy concerns. The Open Handset Alliance and its Java-based (*) Android platform are backed by – for 10 points – what firm founded by Larry Page and Sergey Brin known for its search engine?**

answer: Google Inc. (accept google.com)

<213438>

9. **In the U.S. it can be grown in the Blue Ridge Mountains where proper climate is found with free-flowing water, a combination known as *sawa*. Its rhizome is traditionally prepared with a sharkskin grater, and isothiocyanates are responsible for its (*) horseradish-like flavor said to cleanse one's palate between pieces of nigiri or sashimi. For 10 points – name this green Japanese mustard served with sushi.**

answer: wasabi

<213281>

10. **In 1667 Jean-Baptiste Denys [deh-NEESS] became the first person known to perform this procedure successfully on humans; the procedure now involves irradiation and (*) leukoreduction. For safety reasons, the “autologous” form, in which the donor is the recipient, is preferred when possible. Hemophiliacs make frequent use of – for 10 points – which process that replaces blood lost during surgery?**

answer: blood transfusion(s) (accept variants)

<197475>

11. **This man wrote about the importance of office romances and the increase in the left-handed population in his book *Microtrends: The Small Forces Behind Tomorrow's Big Changes*. In April 2008 this current CEO of Burson-Marsteller apologized for working for the (*) Colombian free trade agreement, something his political boss opposed. For 10 points – name this former chief campaign strategist for Hillary Clinton.**

answer: Mark (J.) Penn

<212656>

12. **This letter was explicitly known as a “Greek” iota when it was imported into Latin. The sound of this English letter is prepended to the vowel sounds “oh” and “ah” in the letters written as 'e' with a dieresis and a backwards capital 'R' in (*) Russian. In German this letter's name is “upsilon” [OOP-suh-lahn]; in Spanish it alone is the entire word for “and.” For 10 points – name this letter ending most adverbs that is sometimes considered a vowel.**

answer: Y

<213368>

13. **Pencil and paper ready. Doug sells three sizes of tortillas with integral diameters, the largest of which is 20 inches. The area of his largest tortilla exactly equals the total area of the medium and small ones. One can determine the sizes of those tortillas by realizing that the math is identical to Pythagorean triples. Scale up a 3-4-5 triangle to find (*) – for 10 points – the diameters of the two other tortillas.**

answer: 12 inches
16 inches

<213569>

14. **Water from this lake occasionally spills into the Bodélé Depression, a major source of the world's airborne dust. Its largest feeder is the Chari [SHAH-ree] River, and its average depth is only 5 meters. It has shrunk to the point where none of its water lies in (*) Nigeria, Niger, or Cameroon. For 10 points—name this lake now entirely within the country for which it is named, the country with capital N'Djamena.**

answer: Lake Chad (or Lac Tchad)

<210692>

15. **Varro established this man's corpus of 21 plays. His *Poenulus* [PAIN-yoo-looss] includes text in Punic, while his *Amphitryon* [am-fit-ree-un] unusually includes gods as characters. His *Menaechmi* [men-ACH-mee] influenced Shakespeare's *The Comedy of Errors*, while *Pseudolus* and *Miles Gloriosus* were among the models for A (*) *Funny Thing Happened on the Way to the Forum*. For 10 points—name this Roman playwright, a predecessor of Terence.**

answer: Titus Maccius Plautus

<199305>

16. **In *Jones v. VanZandt* this man unsuccessfully argued against the constitutionality of the Fugitive Slave Act. He was elected to the Senate as a Free-Soiler in 1849, and six years later became the first Republican Governor of Ohio. After failing to secure the 1860 presidential nomination he was made Secretary of the (*) Treasury and later succeeded Roger Taney [“tawny”]. For 10 points—name this sixth Chief Justice.**

answer: Salmon P(ortland) Chase

<154362>

17. **This man's eponymous theorem states that if a triangle has a diameter of a circle as its base, then the triangle must have a right angle. According to Herodotus, he was one of the first to bring Egyptian mathematics to Greece. The only mathematician among the Seven (*) Sages of Ancient Greece was—for 10 points—which eclipse-predicting philosopher from Miletus [mye-LEE-tus] who believed that all matter was made of water?**

answer: Thales [THAY-leez] of Miletus

<196495>

18. **This novel's narrator is called “boo'ful” by Sybil when she asks him to rape her under the guise of his pimp alter-ego, Rinehart. After Clifton is shot while selling a Sambo doll, that narrator gets on bad terms with the communist Brotherhood he joined after getting (*) shock treatment at Liberty Paints. A black man without an identity is the central character of—for 10 points—what novel by Ralph Ellison?**

answer: Invisible Man (do not accept “The Invisible Man”)

<200012>

19. **This document informed one of the territorial cessions in the Treaty of Sèvres and was clarified by the Churchill White Paper of 1922 that emphasized its omission of the word “state.” It was addressed to banker Walter (*) Rothschild and expressed its namesake foreign minister's sympathy with aspirations to establish a “national home.” For 10 points—name this 1917 declaration of British support for Zionism.**

answer: Balfour Declaration

<213555>

20. **Pencil and paper ready. One hundred people pay income taxes to the Republic of Paradise, of whom the ten richest account for half the income but 75% of the tax revenue. The other 90 have a mean average tax rate of 15% of their income. Given that the top 10 and the bottom 90 each have the same total income, the mean average tax rate for the ten richest people is (*) —for 10 points—what percentage?**

answer: 45% (accept 0.45 or 9/20 before “percentage”)

[Let I be the total income and T the total tax revenue. Then $(I/2)(r) = (75\%)T$ and $(I/2)(15\%) = (25\%)T$.
Dividing those equations yields $r/15\% = 3$ so $r = 45\%$.]

<213506>

21. **This man wrote about Scripps O'Neill and Yogi Johnson in a work subtitled “A Romantic Novel in Honor of the Passing of a Great Race.” That work, which parodied Sherwood Anderson's *Dark Laughter*, was called *The Torrents of Spring*. He wrote about El Sordo, Pilár [pee-LAR], and (*) Robert Jordan in a novel about the Spanish Civil War. For 10 points—name this author of *For Whom the Bell Tolls* and *The Sun Also Rises*.**

answer: Ernest (Miller) Hemingway

<211394>

22. **This ship's commander, Lloyd Bucher, died in January 2004. It was built as a cargo ship, but transferred to the Navy and converted to intelligence use in 1966. Two years later, while gathering intelligence in the (*) Tsushima [soo-SHEE-muh] Straits, it was captured and its crew held for eleven months. For 10 points—name this U.S. vessel that remains in North Korean hands and shares its name with a group of adobe buildings.**

answer: USS Pueblo

<157183>

23. **This noun ends the two-word name of an indie band that specializes in Cape Cod Kwassa Kwassa and Upper West Side Soweto. It begins the name of a 1989 Andrew McCarthy movie about the untimely passing of Mr. Lomax, and ends the name of the song in which “everyone's (*) watching to see what you will do.”** For 10 points – what word goes with Vampire, *at Bernie's*, and a “Working” song by Loverboy?

answer: Weekend [Vampire Weekend, *Weekend at Bernie's*, and “Working for the Weekend”]

<209754>

24. **This biome is the main habitat of the spruce grouse [rhymes with “mouse”], which eats lots of insects in the summer but subsists on needles by winter. It gets a below-average amount of rainfall, but has many lakes, bogs, and depressions as a result of retreating (*) glaciers.** The Canadian lynx and Siberian thrush are other creatures native to – for 10 points – what very cold biome just south of Arctic tundra?

answer: taiga [TYE-guh] (accept boreal forest)

<210401>

25. **Georg Steller, the German naturalist on this man's expedition, discovered the sea cow. His ship, the *St. Peter*, sighted Mount St. Elias before it was wrecked on the Commander Islands, where he died of scurvy in (*) 1741.** For 10 points – what Danish-born navigator's voyages in the service of Russia gave his name to a strait, a sea, and a land bridge between North America and Asia?

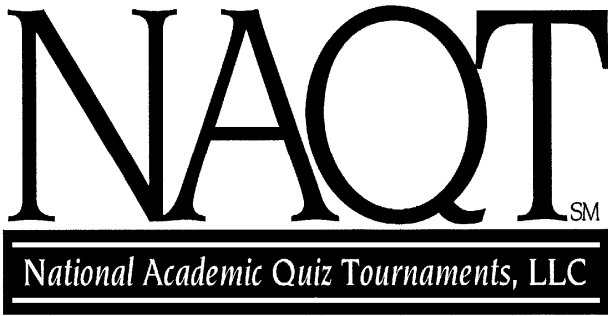
answer: Vitus (Jonassen) Bering (prompt on “Ivan Ivanovich”)

<211059>

26. **Under William III, this former head of the Royal Society was stripped of his offices and imprisoned for his Stuart sympathies. As a ward of Sir Edward Montagu, the earl of Sandwich, he met the famous figures of the day, many of whom appear in his major work, which was not (*) deciphered until 1825.** The Great Fire and Great Plague were also chronicled by – for 10 points – which Englishman who, from 1660 to 1669, kept a diary?

answer: Samuel Pepys [peeps]

<146235>



2007-2008 High School Championship
Packet 1

Bonuses

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1. For 10 points each—answer these questions about genocide in Africa:
- A. In which southwest African country did Germany seek to exterminate the Herero after a series of wars from 1904 to 1908?
answer: Republic of Namibia
- B. Which country was the site of the 1994 genocide of the Tutsis [TOOT-sees] by Hutu [HOO-too] nationalists?
answer: Republic of Rwanda
- C. Which country's government has been accused of genocide against the Dinka in the south and Fur in the west?
answer: Republic of Sudan
- <186232>
2. For 10 points each—name these current American lobbying groups:
- A. This gun-rights group recently mourned the death of former president Charlton Heston.
answer: NRA or National Rifle Association
- B. In an academic paper, John Mearsheimer and Stephen Walt attacked this pro-Israel group founded by Isaiah Kenen, saying that it distorts U.S. foreign policy.
answer: AIPAC [AY-pak] or American Israel Public Affairs Committee
- C. In 2004 Nancy Keenan succeeded Kate Michelman as leader of this pro-choice group often associated with Planned Parenthood.
answer: NARAL [NAY-ral] Pro-Choice America
- <212665>
3. For 10 points each—what is the ideal mechanical advantage of . . .
- A. A 10-foot long lever where the load is at the left end, the force is applied at the center, and the fulcrum is halfway between the load and the force?
answer: 1 [Because the two lever arms are equal, each being 2.5 feet.]
- B. A winch with a 4-foot-diameter wheel that turns a 6-inch-diameter axel?
answer: 8 [The ratio of their diameters is 8 to 1.]
- C. A block of two fixed pulleys and two movable pulleys attached to a load?
answer: 4 [For every meter of rope pulled through the block, the load will move 1/4 of a meter.]
- <213207>
4. The phrase *cerca trova*—“seek and you shall find”—appears in his painting *Battle of Marchiano in the Chiana Valley*. For 10 points each—
- A. Name this artist, who wrote *Lives of the Most Eminent Painters, Sculptors, and Architects*.
answer: Giorgio Vasari
- B. The *cerca trova* phrase may refer to a hidden mural, *Battle of Anghiari*, by this artist known for his *Madonna of the Rocks*.
answer: Leonardo da Vinci (accept either)
- C. In 2007 this Florentine government building, which is the home of Donatello's *Judith and Holofernes*, was searched for the remains of the *Battle of Anghiari* mural.
answer: Palazzo Vecchio [VEH-kee-oh] or Palazzo della Signoria
- <189852>

5. For 10 points each—name these Japanese writers:

A. This woman of the Heian [hay-un] period wrote *The Tale of Genji*.

answer: Lady Murasaki (Shikibu)

B. This 17th-century master of haiku wrote the travel account *The Narrow Road to the Deep North*.

answer: Matsuo Basho

C. Japan's first Nobel Laureate in literature was this author of *Snow Country*.

answer: Yasunari Kawabata

<212632>

6. For 10 points each—name these California parks with distinctive flora:

A. The General Sherman is the largest of the namesake trees of this southern neighbor of Kings Canyon National Park.

answer: Sequoia National Park

B. East of Palm Springs is this refuge for the moth-pollinated *Yucca brevifolia* [YUK-kuh BREH-vih-FOH-lis], named for a Biblical figure by 19th-century settlers.

answer: Joshua Tree National Park

C. This redwood forest at the foot of Mount Tamalpais [TAM-el-PYE-us] in Marin County is named for a pioneer conservationist.

answer: Muir Woods National Monument (prompt on "Muir")

<213285>

7. For 10 points each—name these men associated with Pullman porters:

A. This porter, whose salesmanship earned him the nickname "Sandwich Red," adopted the nickname "Detroit Red" while hustling in Boston and Harlem in the '40s.

answer: Malcolm X (or Malcolm Little or El-Hajj Malik El-Shabazz; prompt on "Shabazz")

B. This former porter manages to declare himself the emperor of a Caribbean island in a play by Eugene O'Neill. He tells his subjects he can only be killed by a silver bullet.

answer: Brutus Jones (accept The Emperor Jones)

C. This professor at the City College of New York became the first president of the Brotherhood of Sleeping Car Porters; the laborers chose an outsider to limit the pressure that could be placed on him.

answer: A(sa) Philip Randolph

<190772>

8. Though Islam does not have an official priesthood, it does have important positions to fill. For 10 points each—

A. A holder of this office leads congregations in prayer.

answer: (al-) imam [ee-MAHM]

B. At a mosque, this man announces the Adhan [uh-THAN], or call to prayer.

answer: (al-) muezzin [moo-uh-ZEEN] (or al-muadhin)

C. The first four men to hold this title as leader of the entire Islamic community after the death of Muhammad are often called "rightly-guided."

answer: caliph [KAY-liff] (or al-khalifah)

<100881>

9. For 10 points each—name these stages of embryonic development:

A. This first stage occurs as soon as the ovum is fertilized.

answer: zygote (or zygotic stage)

B. In this stage, the cells of the embryo form a single layer surrounding a fluid-filled center.

answer: blastula [BLAST-yoo-luh]

C. Between the zygote and blastula stages is this stage in which the cells still form a solid, roughly spherical structure that resembles a mulberry.

answer: morula [MOR-yoo-luh]

<213067>

10. At the beginning of this novel Dr. Bernard Rieux [REE-oo] overhears a conversation about the murder of an Arab. For 10 points each –

A. Name this novel set in Oran, Algeria.

answer: The Plague (or La Peste)

B. *The Plague* is by this French existentialist.

answer: Albert Camus [ahl-bair kah-moo]

C. That murder may be an allusion to this other novel in which the shooting leads to the death of Meursault [mur-soh].

answer: The Stranger (or The Outsider or L'Étranger)

<204642>

11. For 10 points each – which major city serves as the capital of these regions of France?

A. Rhône-Alpes

answer: Lyons [lee-awn]

B. Île de France [eel duh frahnss]

answer: Paris

C. Provence-Alpes-Côte d'Azur [proh-vahnce-alps-koht duh-zhoor], which is on the Mediterranean

answer: Marseilles [mar-say]

<141183>

12. For 10 points each – give these terms related to prices:

A. This general decrease in prices over a time period is the opposite of inflation.

answer: deflation

B. Much of the developed world experienced this condition in the 1970s; it combines inflation with slow growth and high unemployment.

answer: stagflation

C. This is the simultaneous increase and decrease of different prices; it often happens that the prices of essentials go up while those of luxuries go down.

answer: biflation

<191224>

13. For 10 points each – when measuring in which SI unit of length does . . .

A. Green light have a wavelength of about 550?

answer: nanometers (prompt on “nm” or “nano”)

B. The cosmic background radiation have a wavelength of about 2?

answer: centimeters (prompt on “cm” or “centi”)

C. Middle A played at sea level have a wavelength of about 78?

answer: centimeters (prompt on “cm” or “centi”)

<213211>

14. For 10 points each – name these 20th-century American composers who studied composition with Nadia Boulanger [boo-lahn-zhay]:

A. He premiered his first symphony, *Jeremiah*, and ballet, *Fancy Free*, in the decade after taking lessons with Boulanger.

answer: Leonard Bernstein [BURN-styne]

B. This composer's studies in Paris influenced him to write distinctly “American” music, such as *Billy the Kid* and *Lincoln Portrait*.

answer: Aaron Copland

C. This composer is best known for two operas, *The Mother of Us All* and *Four Saints in Three Acts*, the latter of which was a collaboration with Gertrude Stein.

answer: Virgil Thomson

<174235>

15. His work on the National Forest Commission led to passage of the Forest Management Act. For 10 points each—

A. Name this American conservationist.

answer: Gifford Pinchot [PIN-choh]

B. Pinchot advised this President, in whose administration he became the first chief of the Forest Service.

answer: Theodore Roosevelt (or Teddy Roosevelt; accept TR; prompt on “Roosevelt”)

C. In 1909 Pinchot's conflict with Secretary of the Interior Richard Ballinger helped spark the creation of this political party that split the Republican vote in 1912.

answer: (U.S.) Progressive Party of 1912 or Bull Moose Party

<126046>

16. She marries George Osborne, who is killed at Waterloo, and Captain Dobbin, who always admired her. For 10 points each—

A. Name this virtuous heroine of a Victorian novel.

answer: Amelia Sedley (accept either name)

B. Amelia Sedley appears in this Thackeray work, which is subtitled “A Novel Without a Hero.”

answer: Vanity Fair: A Novel Without a Hero

C. Amelia shares space in the book with this other young woman, an amoral adventuress who marries Rawdon Crawley.

answer: Becky Sharp (accept either name)

<140995>

17. For 10 points each— answer these questions about places related to televangelists:

A. *The Hour of Power* is broadcast from which glass-covered building in Garden Grove, California, that was designed by Philip Johnson?

answer: Crystal Cathedral

B. Which NBA team formerly played in the The Summit, which is now home to Joel Osteen's Lakewood Church?

answer: Houston Rockets (accept either)

C. Which Pentecostal minister founded a namesake university in Tulsa, Oklahoma?

answer: Oral Roberts (accept Oral Roberts University)

<210908>

18. For 10 points each— name these controls found on aircraft:

A. Turning this device, which resembles the bottom half of a steering wheel, induces roll; pushing or pulling it induces pitch.

answer: yoke (prompt on “joystick” or “control stick”)

B. These pedals induce yaw, and share their name with a similar device on ships.

answer: rudder pedals (accept rudders)

C. This term describes any control hooked to a namesake valve that increases the flow of fuel, and thus the aircraft's speed. Motorcycles also have them.

answer: throttle(s) (accept throttle valves)

<213352>

19. For 10 points each— name these Mexican political parties:

A. Both the current president, Felipe Calderón [fay-LEE-pay kahl-deh-ROWN], and his predecessor Vicente Fox belonged to this is Christian Democratic party.

answer: PAN (or National Action Party or Partido Accion Nacional)

B. This political party held power for over 70 years before losing it in 2000 to the PAN.

answer: PRI (or Institutional Revolutionary Party or Partido Revolucionario Institucional)

C. Andrés Manuel López Obrador [ahn-DRAYS mahn-WELL LO-pehss oh-brah-DOOR] almost won the 2006 presidential election at the head of this liberal party.

answer: PRD (or Party of the Democratic Revolution or Partido de la Revolucion Democratica)

<212974>

20. In the eight seasons from 1996 to 2003 the New York Yankees reached the World Series six times, twice defeating the Atlanta Braves. For 5 points per answer –
- A. Which two NL teams did the Yankees beat to win the 1998 and 2000 World Series?
 answer: San Diego Padres (accept any underlined portion for all answers)
New York Mets (prompt on “New York”)
- B. Which two NL teams *won* a World Series against the Yankees in that span?
 answer: Arizona Diamondbacks
Florida Marlins
- C. Name the two AL teams other than the Yankees to reach the World Series between 1996 and 2003.
 answer: Cleveland Indians [in 1997]
Anaheim Angels (or Los Angeles Angels of Anaheim; do not accept “California Angels”) [in 2002] <172224>
21. These inhabitants of Asgard include Forseti [for-set-ee] and Balder. For 10 points each –
- A. Name this group of Norse deities led by Odin.
 answer: Aesir [AY-zeer]
- B. This sea god became a member of the Aesir, though he was originally one of the Vanir.
 answer: Njord [nyord]
- C. Among the Aesir goddesses was this wife of Odin.
 answer: Frigga (or Frigg or Friia or Frija; do not accept “Freya”) <133736>
22. Black holes can be completely characterized by measuring just three parameters. For 10 points per answer –
- A. Name any two of those parameters.
 answer: mass
electric charge
angular momentum (do not prompt on “momentum”)
- B. This theorem, whose name comes from John Wheeler, says that all other properties of black holes disappear behind their event horizons.
 answer: no hair theorem <188241>
23. For 10 points each – answer these questions about battles fought in Russia during World War II:
- A. Which city survived a siege of almost three years, relying on supplies brought over an often-frozen Lake Ladoga?
 answer: Leningrad (accept St. Petersburg or Sankt-Peterburg)
- B. Which city on the Volga River was almost captured, before the Red Army recovered and forced the Germans to surrender in January 1943?
 answer: Stalingrad (prompt on “Volgograd”)
- C. Which July 1943 battle, known to the Germans as Operation Citadel, was the largest tank battle ever fought?
 answer: Battle of Kursk <194375>
24. His 2001 book *Fire* is a collection of reports from dangerous parts of the world. For 10 points each –
- A. Name this writer, whose interview with Afghanistan's Ahmad Shah Massoud was published in *Fire* just two weeks after Massoud's September 11th-related assassination.
 answer: Sebastian Junger [YOON-gur]
- B. Junger also wrote this account of the weather-related sinking of the fishing boat *Andrea Gail* off Nova Scotia.
 answer: The Perfect Storm
- C. Junger's *A Death in Belmont* posits that a murder near his childhood home was committed by Albert DeSalvo, a man who strangled eleven women in and around this state capital from 1962 to 1964.
 answer: Boston [DeSalvo was the Boston Strangler.] <190244>

25. For 10 points each—what term describes a functional group in which a carbon atom forms a double bond with . . .

A. Another carbon atom?

answer: alkene or olefin

B. An atom of oxygen *and* forms two single bonds with other carbon atoms?

answer: ketone [“key-tone”] (prompt on “carbonyl”; do not accept “aldehyde”)

C. An atom of oxygen and an OH group?

answer: carboxylic acid (prompt on “acid”)

<196618>

26. For 10 points each—name these Greek city-states that supported Xerxes' invasion during the Persian Wars:

A. Lavish gifts to shrines of Apollo led to pro-Persian attitudes in this city, where the oracle called upon Greeks not to resist.

answer: Delphi

B. Concern for Boeotia's [bee-OH-shuh's] agricultural lands may have motivated this largest polis in that region to pledge loyalty to Xerxes.

answer: Thebes [theebz]

C. This rival of Sparta in the Peloponnesus, which featured an acropolis called Larissa, refused to join the alliance against the Persians.

answer: Argos

<192345>