

# NEW TRIER SCOBOL SOLO 2011

## ROUND 11

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1. Ichthyosis bullosa (ik-thee-OH-sis buh-LOH-sah) of Siemens (SEE-mens) is one disease caused by a mutation in the gene for this protein, which makes up the intermediate filaments found in desmosomes (DEHZ-moh-sohmz). Ringworm fungi (FUN-gai) feed on this protein, produced in large quantities by cornified cells, and the high number of disulfide bridges within this protein make it insoluble in water. Clothes moths are among the few animals that can digest this protein, which is also found in the baleen (buh-LEEN) of whales. Forming the shells of turtles and the horns of rhinos, name this epidermal protein found in hooves, claws, nails, and hair.

ANSWER: keratin

2. In one novel by this author, one character writes a play called *Von Trenck*, which is based on the title character, who in turn is supposedly based on the real-life poet Delmore Schwartz. In another novel by this author, the main character goes to Mexico with Thea Fenchel, who is married, before falling in love with Stella Chesney. That character is raised by his Grandma Lausch in Chicago with his brothers George, who has mental disabilities, and Simon, who works hard to be successful. In another novel by this author, the protagonist moves a statue of the goddess Mummah while in a Wariri village in Africa; that work is *Henderson the Rain King*. Name this author of *Humboldt's Gift* and *The Adventures of Augie March*.

ANSWER: Saul Bellow

3. Adherents to this religious school believe there are four stages of enlightenment and sometimes take a pilgrimage in June to honor Mahinda. This religious school believes in Sariputta's version of the Abhidhamma (ah-bid-AHM-uh) Pitaka along with the Vinaya Pitaka and Sutta Pitaka. Their scriptures are known as the Pali (PAH-lee) Canon, and their name means "Teaching of the Elders", though they formerly were known by a name meaning "Lesser Vehicle". Prominent in Cambodia and Laos, this school is closely connected to Sri Lanka, where it is widely practiced. Name this type of Buddhism often contrasted with Mahayana.

ANSWER: Theravada Buddhism [prompt on Buddhism or word forms thereof before "Teaching of the Elders" but do not accept or prompt thereon after that; prompt on answers mentioning elders; prompt on answers mentioning ancient teaching; prompt on answers mentioning Southern]

4. This politician led the fights against the creation of an Independent Treasury and, many years earlier, the Adams-Onís Treaty. Early in his career, this person headed the War Hawk movement as Speaker of the House. This politician spent much of his career enacting part of a Seven Point Program pushed by James Madison which became known as the American System. After the Election of 1824, this person became Secretary of State, which became known as the corrupt bargain. Near the end of his career, this legislator proposed the Compromise of 1850. Name this man who represented Kentucky and was known as The Great Compromiser.

ANSWER: Henry Clay

5. This person discussed the meaning of the word *puaypuaya*, and he set out to describe subjects such as the routine of a man's working day which he called the imponderabilia of actual life. His last book was *A Diary in the Strict Sense of the Term*, and one of his books is divided into two parts, *The Description of Gardening* and *The Language of Magic and Gardening*. One of this writer's most famous descriptions is of a complex ceremonial exchange system known as a Kula ring. Name this anthropologist who wrote about Trobriand islanders in books such as *Coral Gardens and their Magic* and *Argonauts of the Western Pacific*, a native of Poland.

ANSWER: Bronisław Malinowski

6. One work by this poet is narrated by a person standing on a hill in the rain on his thirtieth birthday. In addition to "Poem In October", this poet wrote about a kneeling man and a bird in "A Winter's Tale". Other works by this poet include lines such as "Dead men naked they shall be one / With the man in the wind and the west moon" and "Though wise men at their end know dark is right, / Because their words had forked no lightning". This poet also wrote a play set in the village Llareggub (lar-uh-GUB) titled *Under Milk Wood*. Name this writer of "And death shall have no dominion" and "Do not go gentle into that good night".

ANSWER: Dylan Thomas

7. One movie by this director, which features a man married to Anne but in love with Desiree, is *Smiles of a Summer Night*. Another movie by this director is about an old doctor traveling with his daughter-in-law and several hitchhikers. In another film by this director, one of the characters is an actor named Skat whose performance is cancelled on account of death, and the squire Jöns cuts the face of the theologian Raval. That movie set during the Black Death revolves around a game of chess played by knight Antonius Block against Death. Name this Swedish director of *Wild Strawberries* and *The Seventh Seal*.

ANSWER: Ingmar Bergman

8. In photochemical reactions, triplet transition states but not singlets have this property, and Neel relaxation is observed in particles exhibiting the "super-" form of it. A Brillouin (BREEL-won) curve plots changes in this property against the ratio of auxiliary field strength to temperature, and the behavior of materials with this property is approximated by Curie's law. These objects do not demonstrate hysteresis (his-tur-EE-sis) but do have a permeability stronger than that of free space. Free radicals and liquid oxygen demonstrate this property because it is the result of the spins of unpaired electrons. Name this property of substances which only become magnetized within an applied magnetic field.

ANSWER: paramagnetism [accept word forms; prompt on magnetism before "susceptibility"]

9. This shape can be generated by taking a circle and a point on its circumference, then drawing all circles that *both* pass through that point and are centered on the circumference of the original circle. A large version of this shape appears at the center of a picture of the Mandelbrot Set, and this shape is generated by following a point on the rim of one circle as it rotates around another circle of the same size. This limaçon (LIM-uh-sohn) with a cusp is generated by the equation  $r$  equals one plus the cosine of theta. Identify this shape named for its resemblance to a heart.

ANSWER: cardioid (KAR-dee-oyd) [prompt on limaçon before it is mentioned]

10. This army commander became President of his country soon after his predecessor signed the Order of March the Eleventh, which became known as Supersemar. That order came a few months after this man put down the Thirtieth of September Movement, and one of his first acts as President was an anti-Communist purge. His advisors were known as the Berkeley Mafia, and he called his policies the New Order. Though this person won re-election in 1998, his popularity plummeted and he resigned two months later, being replaced by his Vice President B. J. Habibie (hah-BEEB-ee). Name this successor of Sukarno (soo-KAR-no) who ruled Indonesia for twenty-one years.

ANSWER: Suharto

11. The application of this principle to the disinfection of water often requires the use of Bunsen coefficients, and another version of it can predict the vesicularity of silicate lava. The 1986 Lake Nyos tragedy is partly explained by carbon dioxide's very low constant for this principle, which does not hold when electrolytes dissociate. The decompression sickness experienced by divers is a consequence of this law, and the tendency of an open bottle of soda to go flat is also an effect of it. Most accurate for dilute solutions at constant temperature, name this law which states that the solubility of a gas is directly proportional to the pressure of the gas above the solution.

ANSWER: Henry's law

12. This shape can be graphed by setting the sums of multiples of the absolute values of  $x+y$ ,  $x-y$ ,  $x$ , and  $y$  equal to a constant. Six of these figures combine with eight triangles to form the surface of a truncated cube, and placing two of these shapes and a square at each vertex tessellates the plane. The regular version of this shape has interior angles that measure three times as large as its central angle, which means that an interior angle also measures three times an exterior angle. A convex version of this shape has a total of 20 diagonals, and each vertex is the endpoint of five of them. Name this polygon with eight sides.

ANSWER: octagon

13. One play by this writer begins with Deianeira (day-uh-NEE-rah) complaining that her life is sorrowful and bitter; she later dyes a robe in blood so her husband will not love Iole (ih-OH-lee). Another work by this writer is about the attempt of Neoptolemus (nee-op-TOL-ee-mus) and Odysseus (oh-DIS-see-us) to recruit a fighter on the island of Lemnos. This writer ended the tradition of writing tragedies as parts of trilogies, and he added a third actor to the stage. *The Trachiniae* (truh-KIN-ee-ee) and *Philoctetes* (fil-uhk-TEE-teez) are two of his seven plays which have survived in their entirety. He followed soon after Aeschylus (EHS-kuh-lus), and wrote plays about a certain character at *Colonus* and *the King*; that character is Oedipus (EHD-uh-pihs). Name this playwright whose third Theban play was *Antigone* (aan-TIH-goh-nee).

ANSWER: Sophocles

14. This group was weakened by the defection of Charles François Dumouriez (doo-MOO-ree-ay) to the Austrians. This group of politicians convinced the French National Convention to create the Extraordinary Commission of Twelve, which arrested Jacques Hébert (ay-bair). Named after the region of France that contains Bordeaux (bor-DOH), this group often met at a salon run by Madame Roland, and its leader was generally considered to be Jacques Pierre Brissot (bree-soh). Many people from this group were among the first people killed during the Reign of Terror. Name this group that often opposed the Jacobins (ZHAK-oh-beens) and the Montagnards (MON-tay-nyards) during the French Revolution.

ANSWER: Girondins [or Girondists; prompt on Brissotins; prompt on Baguettes]

15. This country contains the cities of Kebili and Douz (dooz), which are located by Chott el Djerid, a large salt lake located at the northern end of the Grand Erg Oriental Desert. This country also contains the city of Sfax, which lies at the northern end of the Gulf of Gabès, which contains the island of Djerba. Control of this country was taken by Beji Caid (KAY-id) el Sebsi this year after Mohamed Ghannouchi (gahn-NOO-chee) and Zine (zayn) El Abidine (A-buh-dine) Ben Ali each resigned. Name this location of the ancient city of Carthage, a nation between Algeria and Libya on the Mediterranean Sea.

ANSWER: Tunisian Republic [accept Tunes]

16. One work by this composer, which includes “The lonely one in Autumn” as one of its six sections, is based on Hans Bethge’s translations of ancient Chinese poetry. This composer’s fifth symphony opens with a funeral march, and his first symphony includes a funeral march based on “Frère Jacques”. His second symphony begins with funeral rites, and his fourth symphony has a section titled “What the Child Tells Me” which was originally the seventh section of his third symphony. This composer also wrote works based on the poetry of Friedrich Rückert, including *Kindertotenlieder*. Name this composer who, in addition to writing *The Song of the Earth*, wrote symphonies nicknamed “Titan”, “Resurrection”, and “Symphony of a Thousand”.

ANSWER: Gustav Mahler

17. One character in this play describes a novel she wrote by saying, “The good ended happily, and the bad unhappily. That is what fiction means.” Another character in this play has an imaginary friend named Bunbury whom he claims to have an appointment with whenever he wants to avoid being somewhere. In this play, Merriman gives a visiting card to Cecily Cardew when Reverend Canon Chasuble and Miss Prism go for a walk. The protagonist, who lives in Hertfordshire and London, is in love with Gwendolen Fairfax. Name this work about Jack Worthing, who leads a double life, written by Oscar Wilde.

ANSWER: *The Importance of Being Earnest*

18. One painting by this artist, seeming to show a woman standing next to a profile relief of herself, is known as *Portrait of a Lady* or *La Schiavona*. Another work by this painter shows Cupid reaching into a sarcophagus bearing the coat of arms of Nicolò Aurelio between a bride with a vase of jewels and Venus. Three human heads facing in different directions are placed above three animal heads in this artist’s *Allegory of Prudence*, and he painted a series of works showing Danaë lying in bed. Name this painter of *Sacred and Profane Love* and *Venus of Urbino* often associated with the color red.

ANSWER: Titian [or Tiziano or Vecellio]

19. Jared Diamond’s first book argued that *Pan troglodytes* should be made a member of this group, while another member was named for a fossil called the Heidelberg jaw. In 2004, a new dwarf species in this group was discovered on Flores Island and nicknamed the “hobbit”. This classification does not currently include the sediba discovered in 2008 at Malapa, though it may be an ancestor of this group. Ernst Mayr proposed reassigning the australopithecines (aus-truh-loh-PITH-uh-seenz) to this genus, whose last species to go extinct in Europe was the Neanderthals. With several significant examples discovered by the Leakey family, name this genus that includes *habilis* and *erectus* as well as the *sapiens* species, modern humans.

ANSWER: Homo

20. An early assassination attempt against this leader did not harm him but killed his guardians Gilbert of Brionne, Alan of Brittany and Osbern the Seneschal. Much later in life, this leader imprisoned his half-brother Odo de Conteville and was mortally wounded in an attack at Mantes (mahnt), and his lands were divided between his sons Robert Curthose and William Rufus. His most famous military victory took place near Senlac Hill and preceded victories over Edgar Atheling. Name this leader who believed himself to be the heir of Edward the Confessor but needed to defeat Harold Godwinson at the Battle of Hastings to become King of England.

ANSWER: William I [or William the Conqueror; or William of Normandy; accept William II, Duke of Normandy; do not prompt on “William II”]

**TB1.** In this novel, Justin steals potatoes that are grown in an unused cemetery plot. One of the main characters in this novel marries Heloise (heh-low-EES), who dies after her lawyer takes her money. After his first wife dies, he falls in love with another woman after fixing her father's broken leg. He marries that woman, who gives birth to Berthe (berth) but has trouble raising her and also runs up large debts. That man in this novel is a country doctor who performs an unsuccessful operation on Hippolyte's (hip-poh-LEET's) leg. After growing bored with Charles, his wife has affairs with Rodolphe (roh-DOLF) and Leon. Identify this controversial French novel by Gustave Flaubert.

ANSWER: Madame Bovary

**TB2.** One performer on this instrument, who earned the nickname "Klook" based on one of his sounds, changed his name to Liaqat Ali Salaam but is better known as Kenny Clarke. To avoid confusion, two of the early jazz players on this instrument were known as Philly Joe Jones and Papa Jo Jones. Saxophonist John Coltrane often had Elvin Jones play this instrument, while trumpeter Miles Davis had Jimmy Cobb, and trumpeter Dizzy Gillespie often used Max Roach. Buddy Rich was a bandleader in addition to playing this instrument. Name this instrument whose players can use a traditional or match grip and who sometimes use brushes.

ANSWER: drum(kit)s [or drum(set)s; or trap(kit)s; or trap(set)s; accept drummers; prompt on percussion instruments]

**TB3.** Which animal...performs the chorus for Dionysus in an Aristophanes comedy; participates in a Calaveras County jumping contest in a Mark Twain story; and develops from a tadpole into such notable examples as Kermit?

ANSWER: frog