

LIMIT 2015: A Limit to Learning is a Dangerous Thing

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Packet 1

Tossups

1) Clarence Franklin and Albert Cleage led the “Walk to Freedom” in this city. Reinhold Niebuhr was the chair of this city’s Interracial Committee. One mayor of this city hosted parties at the Manoogian Mansion and resigned due to corruption charges. (*) Race riots at Belle Isle Park and Woodward Avenue occurred in 1943 and 1967 in this city, the latter of which George Romney fought with National Guardsmen. Highland Park and Dearborn named automotive plants in this city. For 10 points, name this city, whose assembly workers were depicted by Diego Rivera in murals for the Ford Motor Company.

ANSWER: Detroit, Michigan

2) Noel Cantwell transferred to this team from West Ham in 1960 and captained this team to the 1963 FA Cup title. The 1963 edition of this club also included winger George Best and was coached by Matt Busby, who survived the 1958 Munich air disaster that killed eight of this club’s players. (*) Ryan Giggs became this team’s interim player-manager in 2014 after the sacking of David Moyes, who had replaced Sir Alex Ferguson. This team, currently managed by Louis Van Gaal, includes Wayne Rooney on its roster. For 10 points, name this English soccer team colloquially known as the “Red Devils.”

ANSWER: Manchester United or Man U; prompt on “Manchester” or “United”; accept Red Devils before read

3) One character in this collection is a barber with six brothers, each having a different disability. In one story from this collection, a man kills his wife under the assumption that she was cheating on him with a slave that he saw carrying one of three apples he found for her. One character in this work is brought to the Valley of Diamonds by a (*) roc, while another is aided by the genie of the lamp. The Caliph Haroun al-Rashid is a frequent character in this collection of tales told to Shahryar to delay the execution of his Vizier’s daughter. For 10 points, name this collection of stories narrated by Scheherazade that includes Aladdin and Sinbad the Sailor.

ANSWER: *One Thousand and One Nights or The Arabian Nights Entertainment* <JG>

4) The Powder River Basin is a major source of this substance in its Interior Province. Wyoming is the largest producer of this good in the US. An early public use of this material was in Baltimore as town gas. Pottsville and Hazelton have deposits of this substance south of its “money route” from near Scranton to New York City. (*) Seams or beds that became carbonized house deposits of this substance. It is mostly in the Appalachians in the US, which have undergone mountaintop removal mining. For 10 points, name this solid black fossil fuel.

ANSWER: coal; antiprompt on “lignite” or “anthracite” and ask “What are lignite or anthracite types of?”

5) John Cockerill established part of this nation’s “industrial valley” by illegally employing British workers in the 1820s. The Iron Rhine railroad was from Cologne to a city in this nation. The Ostend Company was founded in this nation. Eupen-Malmedy was awarded to this nation after one war in which its neutrality was called “a (*) scrap of paper”. This nation included the southern 10 of 17 provinces in the Austrian Netherlands. It became independent from the Netherlands in 1831, and was ruled by King Leopold II at one point. For 10 points, name this nation invaded first in the Schlieffen Plan, with a capital at Brussels.

ANSWER: Kingdom of Belgium

6) **This hero visited the all-female island of Lemnos and fathered twins with its queen, Hypsipyle [hip-SIP-lee]. This figure yoked a pair of fire-breathing oxen and threw a rock at the Spartoi, warriors grown from (*) dragon's teeth that he sowed into the earth on the orders of King Aeetes of Colchis. He passed through the Symplegades by allowing a dove to fly through first. He married Aeetes' daughter but later abandoned her for Glauce. For 10 points, name this lover of Medea who led the Argonauts in a quest for the Golden Fleece.**

ANSWER: Jason or Iason <RL>

Note to all: the answerline is broad

7) **Finite-time thermodynamics is a field without this property, which it occurs in infinite time. The principle of detailed balance states that reactions in equilibrium have this property. The microscopic variety of this property describes thermal reactions. Reactions in dynamic equilibrium have this property, which (*) Le Chatelier [shat-LEE-AY]'s principle only works for. This property of a reaction is drawn with two opposing arrows. Equilibrium constants for these reactions are their forward over their reverse rate constants. For 10 points, name these reactions that can run forwards or backwards to make products or reactants.**

ANSWER: reversible; accept word forms

8) **In this novel, a character ties a piece of wood to a piece of iron, pretending it is a silver cigarette case. One of this novel's characters claims that he is "going to America" before shooting himself on a bridge. In this novel, the protagonist states that he "wanted to become a (*) Napoleon" and is informed by his mother of his sister's engagement to Luzhin. That narrator of this novel falls in love with Marmeladov's daughter, the prostitute Sonia, and is eventually caught by Inspector Porfiry Petrovitch. For 10 points, name this novel in which the pawnbroker Alyona is killed by Raskolnikov, a work of Fyodor Dostoyevsky.**

ANSWER: Crime and Punishment <CC>

9) **The title figure stares at the viewer, brooding, while his anguished wife and daughter gesture to the bodies being brought into the room in this artist's *The Lictors Bring to Brutus the Bodies of his Sons*. A man in red covering his eyes turns away from the title figure of another of this man's paintings, who gestures with his left hand while reaching for a (*) cup, while in another painting by this man, two children are comforted by a woman in black while three brothers raise their arms towards a man holding three swords. For 10 points, name this French neoclassical painter of the *Death of Socrates* and the *Oath of the Horatii*.**

ANSWER: Jacques-Louis David <JG>

10) **"Picket-fence" models describe this element's interactions with a cyclic molecule made of four pyrroles. "Centers" made of this element and sulfur carry one electron. Cytochromes change color when its charge is reduced. Green and yellow biliverdin and bilirubin molecules are made when a prosthetic group with one atom of this element is degraded. Golden rice reduces deficiencies in Vitamin A and (*) this metal. It is part of a catalyst in biological Fenton reactions. Pregnancies need supplements of this metal, which is lost in anemia. Oxygen binding heme causes this metal to move inwards in hemoglobin. For 10 points, name this metal in ferritin.**

ANSWER: iron or Fe

11) **A man nicknamed "the Green Dragoon" led a foraging party that fought Lauzun's Legion prior to this battle. Before this battle, Cape Henry was fought over, and the losing commander built fortifications at Gloucester Point. During it, the HMS Guadeloupe was sunk, and Redoubts #9 and #10 were stormed. (*) Naval support to the winners of this battle was provided by the Comte de Grasse and the Comte de Rochambeau. The losing side in this battle played "The World Turned Upside Down" after surrendering under General Cornwallis. For 10 points, name this 1781 battle that ended the Revolutionary War.**

ANSWER: Yorktown or German Battle <AS>

12) This musical work has been played by the Boston Pops on July 4th every year since 1974. This work includes a section based on a folk dance that is entitled “At the gate, at my gate” and it opens with four cellos and two violas playing the melody of the Troparion “O Lord, save thy people.” Two opposing (*) armies are represented by the playing of “God Save the Tsar!” and “La Marseillaise” in this work, which famously calls for church bells and cannon shots. For 10 points, name this orchestral work by Pyotr Tchaikovsky written to commemorate the defeat of Napoleon in the namesake year.

ANSWER: 1812 Overture or The Year 1812, Festival Overture in E flat major; accept Tchaikovsky Op. 49 <JG>

13) One philosopher from this country argued that a concept commonly translated as “impartial” or “universal” love arising from “enlightened self-interest” would result in peace. A fifty-five chapter book from this country posited that a ruler could only maintain his power through harsh punishments. Besides (*) Legalism, another philosophy from this country advocated an early form of the Golden Rule that suggests that people cultivate “ren”, or compassion, for others. Leaders in this country were given the right to rule by the Mandate of Heaven. For 10 points, name this country, the home of Confucius and Laozi.

ANSWER: China or Zhongguo <SC>

14) While these structures themselves are blades with grade one, a blade with grade 2 results from the wedge product on two of these structures. Rank one tensors correspond to these entities. One of these entities must be a multiple of another when finding a critical point with Lagrange multipliers. The gradient of a multidimensional function returns a (*) field of these entities. Dropping a perpendicular from one of these objects to another forms a projection. These structures can be operated on with the inner product or the cross product. For 10 points, name these non-scalar “arrows” that represent physical quantities.

ANSWER: vector; accept normal vector or gradient before mention <HW>

15) One character in this novel ponders the meaning of a stake being sharpened on both ends. In one episode in this novel, the movement of a parachute attached to a dead airman is mistaken for a beast. One character in this novel has a birthmark that covers most of his face and is presumed to have died in a forest fire. In one scene, two (*) twins known as Samneric are tortured after trying to retrieve a pair of spectacles. In this novel, the “hunters” consist of the choirboys led by Jack Merridew, who dissents from Ralph and Piggy. For 10 points, name this novel by William Golding in which abandoned schoolchildren degrade to savagery on an island.

ANSWER: Lord of the Flies <RL>

16) The formulary system was developed in this empire’s civil law courts. This empire pursued a policy of ‘freedom for the Greeks’. The “law of the nations” applied to lands conquered by this empire, while its citizens’ rights did not apply to foreigners. This empire’s people saw the world as a “circle of lands” (*), which was divided into three parts. Some of this empire’s laws were shown on the Twelve Tables in its capital. After this empire fell, the *Corpus Juris Civilis* by Justinian I built on its law code. For 10 points, name this empire where praetors passed edicts and Cicero delivered his orations.

ANSWER: Rome or Roman Empire

17) This man said “God is with me” after bringing 200 foreskins to a king in exchange for the hand of that king’s daughter, Michal, in marriage. The prophet Samuel chose this man, who was the youngest son of Jesse, to replace that king, Saul. This man sent (*) Uriah the Hittite to die on the front lines in order to marry his wife, whom he noticed while she was bathing. As a boy, he killed an exceptionally large Philistine with his slingshot. For 10 points, name this King of Israel who committed adultery with Bathsheba and slew Goliath.

ANSWER: King David <CC>

18) One character created by this author is kept alive by a man who sneaks him the cakes he is named after. Another of this man's characters is described as an "angel" that "must hang" after being accused of killing Claggert. That narrator of a novel by this man uses a man's coffin as a life raft (*) after an encounter where another character said "From hell's heart I stab at thee." This man wrote of a clerk who only replies "I would prefer not to" in *Bartleby the Scrivener* and wrote *Billy Budd*. One novel by this author opens with the line "Call me Ishmael". For 10 points, name this author who wrote about Ahab's obsession with a white whale in *Moby Dick*.
ANSWER: Herman Melville <JG>

19) This man utilized three guitarists and Swahili song titles for his live album *Dark Magus*. This musician, who based his song "Will O' the Wisp" off of a section of the libretto *Love, the Magician*, included the song "Blue in Green" on an album that features drummer Jimmy Cobb and saxophonist Cannonball Adderley. This man collaborated with Gil Evans on another album, in which he incorporated the music of (*) Joaquin Rodrigo and Manuel de Falla. For 10 points, name this jazz trumpeter and pioneer of modal jazz who recorded *Sketches of Spain* and included the songs "Freddie Freeloader" and "So What" in his album *Kind of Blue*.
ANSWER: Miles (Dewey) Davis III <DS>

20) Readout and sensing cells in *these*-coupled devices use the photoelectric effect. This type of temporary image is made on a drum supplied by a "corona wire" in xerography. This type of conjugation and parity violation occurs by the weak force. Mass spectrometers use a ratio of mass to this quantity. The difference between magnetism and electricity (*) is the motion of particles with this property. It was applied to oil drops in Millikan's experiment, and it can also be done by induction. Grounding moves this to the ground, and the fundamental type is carried by one electron. For 10 points, name this quantity that is positive or negative.
ANSWER: charge; prompt on "Q"

Bonuses

1) Examples of these phenomena include birds learning songs and bats echolocating. For 10 points each:

[10] Name these phenomena including mating, feeding, and communication. They are the subject of the field of ethology, which was founded by Tinbergen, von Frisch, and Lorenz.

ANSWER: **behaviors**

[10] In bats and echolocating animals, the auditory cortex has an acoustic type of this location, which is arranged by tone, and shares its name with a small, dense pit of cones in the center of the retina in front of the optic nerve.

ANSWER: **fovea**

[10] Localizing sound requires the brain to compensate for ear to ear differences in this quantity. Hair cells in the inner ear undergo phase locking, in which the difference in this quantity is zero.

ANSWER: **time**

2) The Elgin Marbles were taken from this building and sold to the British Museum. For 10 points each:

[10] Name this ancient Greek temple to Athena which sits atop the Acropolis in Athens.

ANSWER: **Parthenon**

[10] The columns used in the Parthenon belong to this order, the simplest of the three kinds of classical Greek architecture. Columns of this type have no decoration.

ANSWER: **Doric** order

[10] This artist created the sculpture of *Athena Parthenos* for the inside of the Parthenon. His *Zeus at Olympia* was one of the Seven Wonders of the Ancient World.

ANSWER: **Phidias** <CC>

3) These people trained Sudanese infantry to fire smoothbore muskets, and Odjaks were of both Janissary and these peoples' descent. For 10 points each:

[10] Name these ex-slaves who ruled Egypt before the Ottomans defeated them in the 1500s. They stopped the Mongol advance west at Ain Jalut.

ANSWER: **Mamelukes** or **Mamluks**

[10] This colonial power discovered a trade route weakening the Mamelukes on the day that the balsam trees of Matariya died. The Mamluks then fought this country, with battles at Diu and Goa on the Indian coast.

ANSWER: **Portugal**

[10] The Mamluks originated in this Abbasid capital, which was later sacked by Hulagu Khan in 1258. This "City of Peace" is also the current Iraqi capital.

ANSWER: **Baghdad**

4) In this story, a woman plays peek-a-boo with the black child Carver and tries to give him a penny. For 10 points each:

[10] Name this short story in which Julian accompanies his mother to the YMCA because she refuses to ride the city's newly integrated buses by herself.

ANSWER: **"Everything That Rises Must Converge"**

[10] This author of "Everything that Rises Must Converge" also wrote a short story in which the Grandmother is killed by the Misfit, "A Good Man is Hard to Find."

ANSWER: (Mary) Flannery **O'Connor**

[10] Flannery O'Connor wrote in the "Southern" variety of this literary style. The first novel in this style was Horace Walpole's *The Castle of Otranto*, and it takes its name from a French architecture popular in the late Middle Ages.

ANSWER: **Gothic** <CC>

5) This god appeared to Arjuna as his charioteer, but reveals himself as an avatar of Vishnu in the *Bhagavad Gita*.

For 10 points each:

[10] Name this blue-skinned god who plays the flute and has a consort in Radha. One common chant is *Hare* [Her-AY] this god.

ANSWER: Krishna

[10] Arjuna was reluctant to fight his brothers, so Krishna acted in this position as his mentor and convinced Arjuna to fight them. This term is also the generic term for a teacher in Sanskrit and Hindi.

ANSWER: guru

[10] To help Arjuna break the cycles of death and rebirth, Krishna taught him about four of these paths, which are its karma, bhakti, raja, and jnana varieties.

ANSWER: yogas

6) The 'event horizon' of this industry in Europe was in the 1000s AD, and it used busses and sack ships to transport goods. For 10 points each:

[10] Name this industry that uses boats like trawlers and doggers to catch aquatic creatures.

ANSWER: fishing

[10] This now-vulnerable fish was dried and salted into "stockfish" by Leif Ericsson's crew, and the Basques and Portuguese crossed the Atlantic to catch it near Newfoundland. The 1960s saw wars over this fish in the North Sea.

ANSWER: cod

[10] English and Dutch fishermen competed with this organization around the Baltic Sea for the cod trade. Its cities of Bergen, Lubeck, and Hamburg controlled the Scanian fish market in the 1500s.

ANSWER: the Hansa or Hanseatic League

7) The housekeeper Mrs. Wilkins takes care of this novel's title character after he is discovered by Squire Allworthy. For 10 points each:

[10] Name this very long picaresque novel, one of the earliest in the English language. The title character eventually marries Sophia Western after it is revealed that he is actually the son of Allworthy's sister Bridget.

ANSWER: *The History of* Tom Jones, *Foundling*

[10] Tom Jones was written by this author who used the humorous pseudonym Captain Hercules Vinegar. His other novels include *Joseph Andrews*.

ANSWER: Henry Fielding

[10] In 1741 Fielding published *Shamela*, a satirical attack on *Pamela*, an epistolary novel written by this man. This man is also the author of *Clarissa*, one of the longest and most boring novels ever published in English.

ANSWER: Samuel Richardson <JG>

8) ***NOTE TO MODERATOR: DO NOT REVEAL ALTERNATE ANSWERS TO PART ONE.***

The fourth section of this work contains variations on a song by its composer called "Die Forelle" and it uniquely substitutes a double bass for one of the two usual violins. For 10 points each:

[10] Name this work for piano in A major named after a fish.

ANSWER: Trout Quintet or Schubert's Piano Quintet in A major

[10] The Trout Quintet is a work by this Austrian composer of Death and the Maiden and over six hundred lieder.

ANSWER: Franz Schubert

[10] Franz Schubert's 8th symphony famously has this quality, which was first rectified by Felix Weingartner.

ANSWER: it is unfinished accept equivalents such as incomplete, etc. <JG>

9) Falling raindrops are spherical because of this property, and foams have high internal values of it. For 10 points each:

[10] Name this property of liquids based on a balance of cohesion and adhesion, which has an interfacial form.

ANSWER: **surface tension**

[10] These objects made of thin films expand in a condition called the “bends”. The excess pressure inside these structures is 4 times the surface tension over their radius.

ANSWER: **bubbles**

[10] Soap bubbles exhibit the thin-film form of this phenomenon, which also has constructive and destructive types. This phenomenon changes the amplitudes and phases of the waves undergoing it.

ANSWER: **interference**

10) This anadromous group of fish includes five species, all of which are filter feeders. For 10 points each:

[10] Name this often pink fish, including chinooks and sockeyes, found along the Columbia River’s estuaries up through Alaskan waters. Grizzly bears like hunting these fish.

ANSWER: Pacific **salmon**

[10] These artificial fish-breeding centers are plentiful along both coasts because native supplies of tuna and salmon are exhausted. They rely on aquaculture and help protect native fish by preventing overfishing.

ANSWER: **hatcheries**

[10] This Aleutian Island port city is the largest American fishery and hatchery, and was the site of a 1942 battle as well as the TV show *Deadliest Catch*.

ANSWER: **Dutch Harbor**

11) Every evening, this god’s barge would be attacked by a evil serpent named Apophis. For 10 points each:

[10] Name this Egyptian creator god, who was considered the midday Sun.

ANSWER: **Ra** or **Re**

[10] Ra was often depicted with the head of this animal, because his morning form rolled the Sun across the sky like this animal rolls its dung.

ANSWER: **Scarab** beetle; prompt on “**beetle**”

[10] Horemheb restored balance to the Nile Valley by destroying the city of Akhetaten that worshipped this other Sun god.

ANSWER: **Aten** <KD>

12) Name a few ways to make people mad on the Internet, for 10 points each:

[10] One easy way is to link other people to this song, in which Rick Astley sings that “we’re no strangers to love”. If you are tricked into clicking on a link to this song, you have, unfortunately, been “rickrolled”.

ANSWER: **Never Gonna Give You Up**

[10] When a person on the Internet asks you what the name of a song is, a popular way of annoying them, especially on Twitch, is to falsely claim that it’s in fact this lyricless song by Darude.

ANSWER: Darude-**Sandstorm**

[10] Posting one of these blocks of text, one of which claims the poster has extensive training in “gorilla warfare”, can generate anger and confusion as well.

ANSWER: **copypastas** <DS>

13) Name some works of literature that were once banned in Australia. For 10 points each:

[10] Bernard Marx is exiled from the World State in this Aldous Huxley novel after he takes Lenina Crowne on a trip to a reservation in New Mexico, where they encounter John the Savage.

ANSWER: Brave New World

[10] In this D.H. Lawrence novel set at the estate of Wragby, the title wife of the impotent World War I veteran Clifford has an affair with the gamekeeper Oliver Mellors.

ANSWER: Lady Chatterley's Lover

[10] Serial killer Patrick Bateman reads a sign stating "This is not an exit" at the end of this novel by Bret Easton Ellis.

ANSWER: American Psycho <CC>

14) The Fordney-McCumber Tariff and the Emergency Tariff failed miserably. For 10 points:

[10] Enacting high tariffs was part of this policy. It stopped foreign goods outcompeting domestic ones in the US, which helped American farmers and merchants, and the 'American System' and Harding administration both used it.

ANSWER: protectionism; accept word forms

[10] This good, which is not credit, was bought and sold "on margin", with excessive sales leading to the Great Depression and Harding's tariffs. It's a shareholder's stake of a company.

ANSWER: stock

[10] The "scientific" settlement of tariffs was part of this Teddy Roosevelt Presidential platform, made after he switched to the Progressive Party after a 'naked theft' in the Republican Party.

ANSWER: New Nationalism

15) Liebig performed the complexation version of this technique to create metal-ligand complexes at the end point of his experiment. For 10 points each:

[10] Name this process used to find the concentration of an acid or a base through a neutralization reaction. If you use phenolphthalein [FEE-nol-fth-a-leen], the solution will turn the right shade of pink at the end.

ANSWER: acid-base titration

[10] In a titration, the behavior of the indicator sometimes is equivalent to these substances, as is the acid-base interaction at the half-equivalence point.

ANSWER: buffers

[10] Titrations are carried out with this precision device, which has a stopcock to control liquid flow. It notably has numbers going in the reverse order as a graduated cylinder.

ANSWER: buret <HW>

16) Name some notable authors of children's literature, for 10 points each:

[10] A statue of the Little Mermaid, one of this Danish's author's title characters, sits on a rock in Copenhagen harbor. Other fairy tales written by this man include "The Ugly Duckling" and "The Emperor's New Clothes."

ANSWER: Hans Christian Andersen

[10] The name 'Wendy' was invented for a play written by this man and based on the tales he would tell to her friend Sylvia Davies' children; it was entitled *Peter Pan; or, The Boy Who Wouldn't Grow Up*.

ANSWER: J(ames) M(atthew) Barrie

[10] This Swedish author created the super-strong Pippi Longstocking for her daughter, who was home sick one day.

ANSWER: Astrid Lindgren <JG>

17) Artists often painted their wives. For 10 points each:

[10] This French Impressionist depicted his wife Camille and his son Jean in *Woman With A Parasol*. He also painted the Japanese bridge and some water lilies in the garden of his home at Giverny.

ANSWER: Oscar Claude **Monet**

[10] This Pre-Raphaelite artist of *Christ in the House of His Parents* used his future wife Effie Gray as a model for his work *Order of Release*.

ANSWER: Sir John Everett **Millais**, 1st Baronet

[10] This artist painted his wife Gala Diakonova [dee-ah-ko-NOVE-uh] with one breast exposed in his *Portrait of Galarina*. He collaborated with Luis Bunuel [boon-you-EL] on the film *Un Chien Andalou*.

ANSWER: Salvador **Dali** <CC>

18) Marsiglio of Padua advocated for the state's superiority to the Church in his *Defensor Pacis*, helping the rise of this movement 50 years later. For 10 points each:

[10] Name this reformist movement advocating periodic assemblies, or general councils, representing all Christians. It failed, but spawned the Lollards and many confraternities.

ANSWER: **Conciliar** movement; accept word forms like **Conciliarists**

[10] This English leader of the Lollards promoted Scripture and urged the Church to abandon all of its property. He also translated the Vulgate into English.

ANSWER: John **Wycliffe**

[10] The Conciliarists prompted a council at Constance, which deposed an "anti" one of these Catholic leaders at Avignon, ending the Babylonian Captivity. These people are the Bishops of Rome and claim the Petrine supremacy.

ANSWER: **Popes**

19) This man's study of various finches of the Galapagos Islands led into his concept of adaptive radiation. For 10 points each:

[10] Name this scientist who discussed his theory of natural selection in *On the Origin of Species*.

ANSWER: Charles **Darwin**

[10] Darwin's work with the Galapagos finches can be classified under this field, which involves the study of species and communities throughout space and time.

ANSWER: **biogeography**; prompt on "zoo-" or "phytogeography"; **do not accept geography**

[10] This British explorer was nicknamed the "father of biogeography" and developed his own theory of natural selection separately from Darwin. His namesake line separates the fauna of Asia, Australia, and a namesake zone.

ANSWER: Alfred **Wallace** <AB>

20) Answer the following about British politics, for 10 points each:

[10] The Conservative Party, led by this man, recently won a majority in Parliament, giving him another term as Prime Minister.

ANSWER: David (William Donald) **Cameron**

[10] This man is the current leader of the Labour Party, a position he has held since 2010. His younger brother, David, served in Parliament from 2001 to 2013.

ANSWER: Ed(ward) Samuel **Miliband**

[10] This two-word phrase refers to the group of opposition party members of Parliament, which is currently led by Jeremy Corbyn.

ANSWER: **Shadow Cabinet** or opposition **critic** <CC>