## 2002 Martin Luther King Jr. Memorial Tournament University of Michigan/Duke University Tossups by Chicago B

1. His efforts to find its theoretical justification forced the eponymous physicist to abandon his belief that the $2^{\text {nd }}$ Law of Thermodynamics was an absolute in favor of Boltzman's statistical interpretation. It was formulated as an attempt to explain Wien's Law for all wavelengths and did so by postulating that blackbody radiation was emitted by oscillating atoms at discrete frequencies. For 10 points - name this physical law, the basis of quantum theory.
Answer: Planck's Radiation Law

## GUNZOU: goon-ZOW-u

KAZENO UTAO KIKE: KA-ze-no u-TOW-o KEE-ke
2. He managed a jazz café after graduating from college, and similar venues appear in several of his works. All of his works are set in large cities of the 1960's to 1980's. He won a Gunzou Literature Prize for his first novel, "Kazeno Utao Kike", but he is better known in the West for such works as "The Wind-Up Bird Chronicle" and his recently translated "Sputnik Sweetheart". For 10 points - identify this Japanese writer, the author of "Norwegian Wood".
Answer: Haruki Murakami
3. This tribe originally lived in the upper Midwest, and helped destroy the Illini confederation in the $18^{\text {th }}$ century. During the Civil War they launched a revolt in Minnesota which led to hundreds of deaths and the largest mass hanging in US history; however, by that time this tribe had also assumed a dominant position on the northern Great Plains. For 10 points - name this tribe led by Red Cloud and Crazy Horse which suffered final defeat at Wounded Knee.
Answer: Lakota
Accept: Sioux
Prompt on: Dakota
4. The entire action of the play takes place in a London Flat and at Jack's country estate and minor characters include Rev Chaucable and Miss Prism, whose attempts to simultaneously write a 3 volume novel and care for a child lead to disaster.. For 10 points - name this farce about a man discovered in a piece of railway luggage, and his eventually discovery of his actual name, written by Oscar Wilde.
Answer: The Importance of Being Earnest

## MAGGIORE: mazh-ee-OR-E

5. It is said that he was born with no surname of his own, and so the poet Trissino gave him one in fanciful allusion to the Greek goddess of wisdom. He designed the San Giorgo Maggiore in Venice and the Villa Capra in Vincenzo. His imitators include William Kent, Inigo Jones, and Sir Christopher Wren. For 10 points - identify this Italian architect of the High Renaissance, author of Four Books of Architecture.
Answer: Andrea Palladio
6. He oversaw the posthumous publications of his father's works, and has recently written a sequel to Among the Believers, about Islamic society. He originally gained some prominence working for the BBC in the 1950s, but did not receive a major award for his writing until his Booker Prize in 1971. Among his works are more than 30 novels including "A House for Mr . Biswas." For 10 points - name the winner of the 2001 Nobel in Literature
Answer: Vidiadhar Surajprasad Naipaul

AXELRODICHTHYS: axel-raw-DIK-this
CARIDOSUCTOR: car-id-o-SUCK-tor
MAWSONIA: ma-SOHN-ee-ya
LATIMERIA CHALUMNAE: lat-im-ER-ee-ya kal-UM-nay
8. Fossil relatives of this animal include Axelrodichthys, Caridosuctor, and the giant Mawsonia. Stylized scales from pre-Columbian Central America hint that this creature might once have inhabited the Eastern Pacific, an idea bolstered by its recent discovery in Indonesia. For 10 points - identify this lobe-finned fish with scientific name Latimeria chalumnae thought extinct until its discovery off the Comoros in 1938.
Answer: coelacanth
9. She is a member of the Senate Hispanic Caucus, as well as the Foreign Relations and Environment and Public Works committees. She was originally elected to her current position in 1992, as part of the so-called "Year of the Woman." A Democrat, she served a decade in the House prior to her term in the Senate, and her state's other senator is Dianne Feinstein. For 10 points - name this senator from California
Answer: Barbara Boxer
10. Called originally "The Coming Forth by Day", this text got the name now ascribed to it from the German archaeologist Karl Richard Lepsius who first published it in the West in 1842. It reached its final form in ca. 1600 BC as a compilation of coffin inscriptions and tomb texts going back as far as 2400 BC , though none of the extant copies preserve the entire 200 chapters of verses and incantations to assure a happy afterlife. For 10 points - name this Egyptian sacred text.
Answer: The Book of the Dead
11. They will react with almost all organic compounds except hydrocarbons, ethers, and tertiary amines, and therefore are very valuable in synthesis reactions, especially ones involving carbonyl groups. Also used to produce the alkyl derivatives of certain metals, they are named for the scientist who discovered them in 1898. FTP, identify this type of compound which have the formula RMgX where R is a hydrocarbon chain, Mg magnesium and X a halogen.
Answer: Grignard reagents (prompt on Grignard)
12. Medieval followers of this philosopher "gloried in the title of 'Aristotle's monkey'." Dante admired his teachings but ultimately rejected them because this philosopher believed that both the Active and the Passive intellects were universal, rather than individual. Aquinas devoted special treatises to his errors, which included an inability to account for the individual soul. For 10 points - identify this Arabian philosopher of the twelfth century.
Answer: Averroes

## ZLONICE: ZLON-ee-chay

13. His music has been heard in several films, including The People vs. Larry Flynt, which features his Stabat Mater. Problems with catlouging resulted in the addition of four new symphonies and the reordering of the existing ones. His first symphony, also called the "Bells of Zlonice" was first performed in 1936, 32 years after his death. For 10 points --name this Bohemian composer whose music was influenced by American folk music, especially his 9th symphony, "From the New World."
Answer: Antonin Dvo ák

## OENOPION: eh-NO-pee-on

EUANTHES: yoo-AN-thes

## SEMELE: SEH-meh-lee

14. The stories of his birth closely parallel that of the Etruscan god Fefluns, as does the story of how he was ripped to shreds by the Titans. Oenopion, Thoas, Staphylus, Latromis, Euanthes, and Tauropolus were his children by Ariadne, whom he met at Naxos. His mother is most commonly said to be the princess Semele, who was incinerated by Zeus in his glory. For 10 points - identify this Greek god of wine.
Answer: Dionysus
Accept: Bacchus until "Greek" is mentioned
15. This city contains a cathedral that was the tallest building on earth until 1839. The center of the city preserves much of its medieval and early modern architecture and also is crisscrossed with canals and waterways. Originally a city in the Holy Roman Empire, this city became part of France during the rule of Louis XIV, except for a brief interlude from 1870-1918. For 10 points name this city of Alsace that is home to the European parliament.
Answer: Strasbourg
16. On the first day of this February battle, the Confederates attacked the Union and badly mauled McClearnand's division, as Grant was caught by surprise. However, after the battle turned to the Union, Grant's demands of defeated brigadier general Simon Bolivar Buckner earned him the nickname "unconditional surrender." For 10 points - identify this battle in 1862, shortly preceded by the conquest of Fort Henry, which gave the Union control of the Cumberland River.
Answer: Fort Donelson
17. Founded during the reign of the Empress Anna in 1736, the site of this city was formerly a Bashkir village on the Miass river, and it is the capital of its namesake oblast. Growth factors included its advantageous position on the Trans-Siberian Railway and the evacuation of industry to the east during World War II. For 10 points-name this city in the Ural mountains, considered the most polluted city on earth.

## Answer: Chelyabinsk

18. He provided the singing voice for Jack Skellington in The Nightmare Before Christmas, and had the role of Satan in Forbidden Zone. He also composed the theme to 2001's Spy Kids, but is better known for his work in Tim Burton's Planet of the Apes, Batman, and Beetlejuice. For 10 points - identify this composer, best known for the theme to The Simpsons.
Answer: Danny Elfman
19. He named the only other man in franchise history to have his number retired, Rick Kehoe, as his head coach in 2001, while earlier he and GM Craig Patrick, executed a trade to pick up Kris Beech, Michal Sivek, and Ross Lupaschuk from Washington in exchange for long-time teammate Jaromir Jagr. His most recent scoring title came in the same year he returned to hockey after a battle with Hodgkin's Disease. For 10 points--name this owner and center for the Pittsburgh Penguins.
Answer: Mario Lemieux
20. The plot of this movie revolves around a small village which is threatened by destruction by Calvera and his horde of bandits. The villagers hire a number of gunmen to defend their town. Though only three of the title group survive, numerous sequels were made. For 10 points -, name this 1960 western starring Steve McQueen, James Coburn, Charles Bronson, and Yul Brenner, which drew inspiration from the earlier Japanese film The Seven Samurai.
Answer: The Magnificent Seven
21. When George Smith came across one of the oldest extant copies of this work, he became so excited that he ran around part of the British Museum while undressing himself. Unlike several earlier copies of the work, known at the time of its writing as "He who saw the deep" and "Surpassing all other kings", the tablet Smith had been reading was written in Akkadian, not Sumerian. For 10 points - name this epic, in which the the hero searches for the secret to immortality after the death of his friend Enkidu.
Answer: the Gilgamesh epic (accept equivalents)
22. She would have been the queen of a non-legendary King Arthur of England had he not died before ascending to the throne, and she then married his younger brother. She was the aunt of Charles V, and known for her religious devotion, despite the death in infancy of some of her children. For 10 points - name this woman who bore Mary Tudor and prompted her husband, Henry VIII to issue the Act of Supremacy in order to divorce her.
Answer: Catherine of Aragon
23. It is said that he left his native Alexandria when the first public reading of his major worked flopped and his lost works include a major poem on Egyptian mythology and a prose work on Homer. After leaving Alexandria, he moved to Rhodes, where he extensively altered his original work, the first surviving major epic poem since the days of Homer. For 10 points- name this author of the Argonautika.
Answer: Apollonius of Rhodes
24. Its four peninsulas are separated by the Teluk Tomini, the Teluk Bone, and the Teluk Tolo. Its largest cities are Ujung Pandang in the south and Manado in the north. Separated from Halmahera by the Molucca Sea and separated from the Phillipines by its namesake sea, it is located approximately 100 miles west of Borneo. For 10 points - name this third largest island in Indonesia, formerly called Celebes.
Answer: Sulawesi
Accept: Celebes until it is mentioned
25. They were first postulated in the 1960s using a pulse-chase experiment and in plants, they are 200 nucleotides long. Since DNA can only be replicated unidirectionally, one strand must be replicated disontinuosly. These smaller pieces of DNA are then joined together with DNA ligase to form one strand. For 10 points --name these fragments whose discoverer died of cancer possibly due to his proximity to the atomic bomb that destroyed Hiroshima.
Answer: Okazaki fragments
26. Based on a draft by Luxembourg Prime Minister Jacque Santer, it was intitially rejected by Danish voters in referedum, but was passed on second effort. It established the principles of economic and monetary union, including a single currency, common citizenship of member states, and closer political union based on the principle of subsidiarity. For 10 points - name this treaty which established the European Union from the European Community, signed in a Dutch town in 1992.
Answer: Treaty of Maastricht
27. In the geometric type, compounds are called cis or trans based on the position of substituents on a double bond. The chiral types, enantiomers and diastereomers are named based on the arrangement of substituents around carbon centers. The conformational types are based on rotational positions around a single bond or cyclic arrangements. For 10 points -, identify this type of chemical relationship, in which compounds differ only in the orientation of atoms in space. Answer: Stereo isomers

## 2002 Martin Luther King Jr. Memorial Tournament University of Michigan/Duke University Bonuses by Chicago B

1. Identify the following characters in John Steinbeck's East of Eden for the stated number of points.
A. (5/5) Pairs of brothers symbolic of Cain and Abel appear in two generations of the story. The younger pair of brothers is these two sons of Adam Trask.
Answers: Caleb and Aron Trask
B. (10) Adam and this man, his younger half-brother, make up the elder pair of brothers.

Answer: Charles Trask
C. (10) This girl breaks up with Aron and falls in love with Cal.

Answer: Abra Bacon
2. For 10 points each, identify the following presidents of the Republic of Texas.
A. (10) Elected to two nonconsecutive three-year terms, he was the first President of the Republic and later served as the state's governor.
Answer: Sam Houston
B. (10) This nationalist President and onetime opponent of annexation's term saw a failed attempt to conquer New Mexico and the davaluation of the redback.
Answer: Mirabeau B. Lamar
C. (10) While foreign minister to the United States, he became the architect of the Texan annexationist agenda. His most famous words are, "The Republic of Texas is no more."
Answer: Anson Jones
3. For 10 points each, given the situation, name the dramatic monologue by Robert Browning
A. (10) A man fears to lose his love so he strangles her by wrapping her hair around her neck.

Answer: Porphyria's Lover
B. (10) An Italian Renaissance nobleman has his wife killed for smiling a bit too much.

Answer: My Last Duchess
C. (10) An elderly Biblical scholar of the Middle Ages speaks of his life.

Answer: Rabbi Ben Ezra
4. Name these not so pleasant events in Indian history For 10 points each.
A. (10) This revolt of numerous soldiers in the employ of the British East India Company erupted in 1857.
Answer: The Sepoy Rebellion
Accept: Bengal Mutiny
Accept: Great Indian Mutiny
B. (10) This atrocity perpetrated by General Dyer shocked Indians in 1919, but brought praise from many in Britain.
Answer: The Amritsar Massacre
C. (10) This battle in 1757, a British victory under Clive, helped to usher in English domination of the Sub-continent.
Answer: Plassey
5. For 10 points each, identify the Moliere play given characters
A. (10) Alceste, Celimene, Eliante.

Answer: Le misanthrope
English: The Misanthrope
B. (10) Elmire, Orgon, Madame Pernelle.

Answer: Tartuffe
C. (10) Arnolphe, Agnes, Horace.

Answer: L'école des femmes
English: The School for Wives
6. For 10 points each, answer the following questions about the campaign finance reform bill now bogged down in the US House of Representatives.
A. (10) Name the House Majority leader who opposes the bill

Answer: Richard "Dick" Armey
B. (10) Name the Arizona Republican who sponsored the bill in the Senate

Answer: John McCain
C. (10) Name either of the sponsors of the bill in the House

Answer: Martin T. Meehan or

## Christopher Shays

## MWANAWASA: mwa-na-WA-sa

7. For 10 points each, answer the following information about a contested election in southern Africa
A. (10) Name the country that has its capital at Lusaka

## Answer: Zambia

B. (10) Name the president as of Christmas 2001 whose party has been accused of ballot-box stuffing.
Answer: Levy Mwanawasa
C. (10) Name the leading opposition candidate who was running neck and neck with Mwanawasa in the official count, but who claims he won due to poll results which showed him with a large lead.
Answer: Anderson K. Mazoka
8. 30-20-10, identify the scientist.
(30) In 1938, this scientist discovered, but did not fully identify, the radioactive isotope of lanthanum with a half-life of 3.5 hours.
(20) Awarded the Nobel Prize in Chemistry in 1935 for the discovery of artificial radioactivity, this scientist was also a member of the Popular Front government in Spain.
(10) She spent 28 years at the Radium Institute as an assistant to her mother, Marie Curie.

Answer: Irene Joliot-Curie
9. For 10 points each, given the name of a modern Central Asian leader, identify the country he rules:
A. (10) Saparmurat Niyazov

Answer: Turkmenistan
B. (10) Nursultan Nazarbayev

Answer: Kazakhstan
C. (10) Islam Karimov

Answer: Uzbekistan
10. Identify the following Marx Brothers films from a brief description, For 10 points each.
A. (10) Groucho is Captain Geoffrey T. Spaulding, the famed African explorer being honored at a party given by Mrs. Rittenhouse. The film devolves into card sharkery, art thievery, and annoyance of stuffed-shirts in attendance.
Answer: Animal Crackers
B. (10) Groucho is Freedonian dictator Rufus T. Firefly, who declares war on neighboring Sylvania after the country goes bankrupt.
Answer: Duck Soup
C. (10) The Marx brothers stow away on a trans-Atlantic ocean liner and spend their time avoiding the Captain, crew, and dueling mob bosses in this 1931 film.
Answer: Monkey Business
11. 30-20-10: identify the composer from choral works.
(30) Rinaldo, Judas Maccabaeus
(20) Agrippina, Julius Caesar
(10) The Messiah

Answer: Georg Friedrich Händel
12. For 10 points- Calling all dorks: answer the following questions on computer games of the last decade.
A. (10) This realtime strategy series by Blizzard pits an alliance of elves, humans, and dwarves versus a confederation led by the orcs.

## Answer: Warcraft

## Accept: Warcraft II

B. (10) This realtime RPG series, also by Blizzard, pits heroes against the title force of evil and his brothers. The first revolved around the town of Tristam, and the second boasts hero classes such as the Necromancer and Amazon.

## Answer: Diablo

C. (10) Drawing its rules directly from Dungeons and Dragons, the plot of this game revolves around a character who is the son of the Lord of Murder Baal. Among popular characters in the game are Minsc and his hamster.

## Answer: Baldur's Gate

Accept: Baldur's Gate II
13. The Spratly Islands are an uninhabited archipelago in the South China Sea, but because they are richly endowed with oil deposits, no less than six surrounding nations make some kind of territorial claim to them. For 5 points each, identify these claimants.
Answers: People's Republic of China

## Republic of China or Taiwan

Malaysia
Brunei
Philippines
Vietnam
14. Given a molecule, identify its molecular structure For 10 points each.
A. (10) BH3 (borane)

Answer: trigonal planar
B. (10) SO2 (sulfur dioxide)

Answer: bent
C. (10) CH 4 (methane)

Answer: tetrahedral
15. Name these events of the War of 1812 related to Michigan for 10 points each.
A. (10) After James Winchester pushed to far into Michigan in January 1813, his army was destroyed by British and Wyandot forces under Henry Proctor.
Answer: Battle of Raisin River
Accept: Battle of Frenchtown
B. (10) Captured by the British in July 1812, this fort was seized without a shot by troops from nearby Fort St. Joseph.
Answer: Fort Mackinac
C. (10) Oliver Hazard Perry's destruction of the British fleet at this site on Lake Erie forced the British to withdraw from Michigan.
Answer: Put-in-Bay
16. Cartoon Network recently launched "Adult Swim", a block of adult-themed cartoons. Identify some of the Adult Swim components for the stated number of points.
A. (5) Although this show is ostensibly about celebrity interviews, most episodes degenerate to infighting between the host, bandleader Zorak, and director Moltar.
Answer: Space Ghost Coast to Coast
B. (10) This show employs the visually-disconcerting "Squigglevision" technique of computer animation, and stars 8 -year old film auteur Brendon Small.
Answer: Home Movies
C. (15) A trio of super-powered fast food items combat crime, monomaniacal doctors, and haughty moon people on the mean streets of New Jersey in this show.
Answer: Aqua Teen Hunger Force
17. For 10 points each, identify these languages that are dead or dying.
A. (10) Only two thousand people speak this Celtic language of southwestern England fluently, but these numbers are growing.

## Answer: Cornish

B. (10) This language has only three thousand native speakers along the Vistula river near Gdansk, and is the naive language of Oscar Matzerath's grandmother.

## Answer: Kashubian

C. (10) Spoken mostly in Lappland and along the Finnish and Russian borders, this is the original language of the Kalevala
Answer: Sami
18. Man has long found monstrosity in the unknown, and as such, many mythologies feature fabulous beasts of the open ocean. Identify a few of these sea monsters for 10 points each. A. (10) Featured prominently in the myths associated with Charlemagne, this giant sea boar shares its name with a race from the works of J. R. R. Tolkien.

## Answer: orc

B. (10) Son of Loki and Angrboda, this Norse sea serpent was thrown into ocean by Odin. It eventually grew to encircle the globe, and its venom kills Thor at Ragnarok.
Answer: Jormungand
Accept: Midgardsormr
Accept: Midgard Serpent
C. (10) Consort of Apsu, this Babylonian monster was killed by Marduk. He split her in half, using half of her body to create the sky and another half to create the earth.
Answer: Tiamat
19. Answer the following somewhat-related questions for the stated number of points.
A. (15) Name the ethereal band consisting of Elizabeth Frazer and Robin Guthrie whose releases include Milk and Kisses, Four Calendar Cafe, and Victorialand.
Answer: Cocteau Twins
B. (10) Name the Cocteau film, based on a Greek myth, in which a poet and his wife are separated by a princess. They may be reunited on the condition that the poet never look at his wife again.
Answer: Orphee
Accept: Orpheus
C. (5) Name Orpheus's wife, bitten by a snake on her wedding day.

Answer: Euridice
20. Identify the following Christian heresies For 10 points each.
A. (10) Condemned by the Council of Nicaea, this heresy rejected the divinity of Christ, claiming he was a creation of God the father.
Answer: Arianism
B. (10) This heresy postulated that Christ has only one, divine, nature and is today represented by the Coptic Church in Egypt.

## Answer: Monophysitism

C. (10) This earliest of the heresies, this group refused to take the sacrament from any priest who collaborated with Roman persecution.
Answer: Donatists or Donatism
21. Identify these Scandanavian bands with palindromic names for the stated number of points.
A. (5) Two of their members recently regrouped to write the musical Mamma Mia!

Answer: Abba
B. (10) Their one American hit from the album Hunting High and Low was best known for its video directed by Steve Barron.
Answer: a-ha
C. (15) The two members of this band, best know for their song "Don't Say You Love Me" from the Pokemon soundtrack, have both been romantically linked to members of Hanson.
Answer: M2M
22. Igneous rocks are hot, hot, hot! While you're recovering from the lameness of that lead-in, identify some such rocks For 10 points each.
A. (10) This shiny black rock is not actually a mineral, but rather is a form of volcanic glass.

Because it fractures easily to form sharp edges, it was often used in stone tools and arrowheads.
Answer: obsidian
B. (10) This is a light, porous rock that can be formed from any type of magma if the conditions are correct. It is similar to solid foam, and is the only rock that can float in water.
Answer: pumice
C. (10) This rock is the intrusive counterpart to basalt. Composed mainly of calcium-plagioclase and pyroxene, it is often found as a border rock around granitic plutons.
Answer: gabbro
23. 30-20-10 Identify the author from works.
(30) Open Secrets, Dance of the Happy Shades
(20) Lives of Girls and Women, Who Do You Think You Are?
(10) Hateship, Friendship, Courtship, Loveship, Marriage.

Answer: Alice Munro
24. Identify some random terms from architecture for 10 points each.
A. (10) All columns of the classical orders, except for this one, consist of a base, a tapered shaft, and a capital. For 10 points - name this baseless type of column.
Answer: Greek Doric column
B. (10) This is a niche in the wall of a mosque that indicates the qibla, or direction of Mecca.

Answer: mihrab
C. (10) From the Latin word for ship, this is the great central space in a church.

Answer: nave
25. Identify these Supreme Court decisions for 10 points each.
A. (10) In this 1986 case, the Court upheld Georgia's anti-sodomy laws, essentially determining that one's right to privacy did not extend to sexual acts performed in one's own bedroom.
Answer: Bowers v. Hardwick
B. (10) In this 1896 case involving a tax dispute, the Court ruled that corporations were people under the Constitution, and thus entitled to the protections of the 14th Amendment.
Answer: Santa Clara County v. South Pacific Railroad
C. (10) In 1873, the Supreme court ruled that the 14th Amendment did not apply to women, and denied the petitioner the right to practice law.
Answer: Bradwell v. Illinois
26. Name the following French kings from their mistresses for 10 points each.
A. (10) Madame de Pompadour

Answer: Louis XV
B. (10) Diane de Poitiers

Answer: Henri II
C. (10) Louise de La Valliere

Answer: Louis XIV

