

TOSSUPS

1. This family name belonged to a scholar who believed in *ding fa* and *yi min* and proposed abolishing primogeniture and organizing families around military service. That scholar was an early Legalist from the state of Wei employed by Duke Xiao of Qin. A dynasty of this name was overthrown by Jiang Ziya and King Wu at the (\*) Battle of Muye, beginning a new dynasty's "Western" period. That dynasty with this name made its final capital at Anyang and used oracle bones for divination. For 10 points, give this name of the dynasty that preceded the Zhou.

ANSWER: Shang [accept Shang Yang or Shang dynasty]

2. This quantity is equal to theta divided by the equilibrium constant times one minus theta in the Langmuir model of adsorption. This quantity equals to the derivative of Helmholtz free energy with respect to volume at constant temperature. The (\*) Young-Laplace law describes the change in this quantity across a meniscus. In a liquid, this quantity is equal to the product of gravitational acceleration, density, and depth. The torr is a common non-SI unit for this quantity. For 10 points, name this quantity equal to force per unit area.

ANSWER: pressure [prompt on p]

3. Edwin Lemert distinguished "primary" and "secondary" varieties of this behavior, the latter of which is the formation of an identity related to this behavior via labeling. Edwin Sutherland's differential theory of association states that *this* is a learned behavior. A disjunction between cultural goals and legitimate means of achieving them causes this behavior in (\*) Robert Merton's strain theory, which is built on Émile Durkheim's concept of *anomie*. Conformity is contrasted with - for 10 points - what behavior that violates social norms?

ANSWER: deviance [accept crime or criminality or loose synonyms]

4. One character revisits this city with "Guggenheim money" and claims it looks a lot like Dayton, Ohio. Two obstetricians in this city scold a character for neglecting a pair of horses. This city is home to a factory filled with hidden spoons that its workers use to secretly snack on (\*) malt syrup. In this city, a firing squad shoots Edgar Derby for stealing a teapot, while another character survives a catastrophic event by hiding in a meat locker. For 10 points, identify this city whose firebombing is witnessed by Billy Pilgrim in *Slaughterhouse-Five*.

ANSWER: Dresden

5. This country's Prime Minister was accused of treason during a scandal over weapons deliveries by its MIT intelligence service and has used the term "parallel state" to refer to his opponents from the Cemaat [*"JEH-ma-at"*] movement. A rumored secular nationalist organization called Ergenekon is said to be part of the (\*) "deep state" run by this country's military. This country's Justice and Development Party has implemented alcohol restrictions as part of its platform of moderate Islamism. For 10 points, Recep Tayyip Erdogan is the Prime Minister of what country?

ANSWER: Republic of Turkey [or Türkiye Cumhuriyeti]

6. A group of officers from a different country tried to end a war *with this country* in the Anjala [*"an-YAHL-ah"*] Conspiracy. During wars called the "Greater" and "Lesser" Wraths, the Caps faction favored peace *with this country*, which opened the Diet of Porvoo after the Treaty of Fredrickshamn to replace *another country's* (\*) Riksdag in one of this power's Grand Duchies. This country gained Ingria and Karelia by the Treaty of Nystad and won at Poltava against Charles XII. For 10 points, name this country that defeated Sweden under Peter the Great.

ANSWER: Russia [or Russian Empire; or Rossiya; or Rossiyskaya Imperiya]

7. This artist used four Corinthian columns to create a triptych in an altarpiece for the basilica of Verona. Trumpets displaying SPQR banners fly above men carrying loot in the fourth entry in a nine-part series by this artist of the San Zeno Altarpiece, a series housed in the Hampton Court Palace depicting the (\*) *Triumphs of Caesar*. This artist painted metallic-shaded clothing on three depictions of St. Sebastian and a figure on a bed with nail wounds on his feet. For 10 points, name this artist of an extremely foreshortened *Dead Christ*.

ANSWER: Andrea Mantegna

8. An author from this country wrote a short story about a shepherd who swims across a raging river and defeats three highwaymen to take his friend's place at an execution. Another author from this country created the malevolent artist "Monkey-Hide," whose daughter is burned alive in a carriage, and wrote a story about a man with a (\*) pimple on his right cheek who discovers an old crone harvesting the hair off of corpses near the Rashomon gate. For 10 points, name this country home to authors Osamu Dazai and Ryunosuke Akutagawa.

ANSWER: Japan [or Nippon-koku; or Nihon-koku]

9. In the kappa mechanism, an increase in density and this quantity drives the change in opacity of a star's atmosphere. Protostars become less luminous but maintain a constant value for this quantity while following the nearly vertical Hayashi track. Power is proportional to the (\*) fourth power of this quantity according to the Stefan-Boltzmann law. This quantity corresponds to color index and is plotted on the x-axis of an HR diagram. For 10 points - name this quantity which, for hydrogen to fuse in the Sun's core, must exceed 14 million Kelvin.

ANSWER: temperature [accept heat]

10. The word *schwa* originates from a system for writing this language, in which the placement of a dot in the center of a letter changes it from a fricative to a stop. Spellings in this language are called "full" or *male* if they make use of *matres lectionis* in order to make reading easier. Mendele helped lead this language's successful (\*) revival, which was begun by the Haskalah movement. This language's alphabet uses dots called *niquud* to make up for a lack of vowels. For 10 points, name this Semitic language used to write the Torah.

ANSWER: Hebrew [or Ivrit]

11. A philosopher from this country argued the morality of actions should be based on impartial observations and rooted in mutual sympathy in a chapter on "propriety of action." This country was home to a school of anti-idealist philosophers who emphasized the ability to directly perceive in defending (\*) common sense. The author of *The Theory of Moral Sentiments* was from this country, as was a man who said passions governed the actions of man in *A Treatise of Human Nature*. For 10 points, identify this country home to David Hume.

ANSWER: Scotland [prompt on "Britain" or "Great Britain" or "United Kingdom"]

12. Agamemnon's tomb inspired this architect's Painting Gallery, which is located in a complex that can be accessed through the red-and-black "Da Monsta" gatehouse. *The Burial of Phocion* inspired the landscaping of a New Canaan complex that served as this artist's (\*) Connecticut home. This architect collaborated with a German architect on a building located at 375 Park Avenue that houses the Four Seasons Restaurant. For 10 points, which American architect of the Glass House worked with Mies van der Rohe on the Seagram Building?

ANSWER: Philip Johnson

13. This molecule is produced in a reaction which uses a strong base to convert aryl ketones to alkynes, the Seyferth-Gilbert homologation. Reaction of aniline with nitrous acid generates benzene bound to this molecule; its evolution can then drive the synthesis of an aryl halide in the (\*) Sandmeyer reaction. This molecule's expulsion drives alkane formation in the Wolff-Kishner reduction, and it reacts with hydrogen to produce ammonia in the Haber process. For 10 points, name this gas that comprises 80% of the atmosphere.

ANSWER: dinitrogen [accept N<sub>2</sub>]

14. Rabbinical scholars usually group this man with Jethro and Balaam as one of Pharaoh's advisors but debate when he lived, since no clues are given in the Bible. Part III of Handel's *Messiah* contains a hymn inspired by this man titled "I Know That My Redeemer Liveth." The words of friendly (\*) accusers against this man are contradicted by Elihu, who tries to comfort him after his lands in Uz are destroyed. "The Lord giveth, and the lord taketh away" is spoken by - for 10 points - what Biblical man, whose life is ruined by God in a test of faith?

ANSWER: Job [or Iyyob; or Ayyub]

15. An author from this country wrote about a couple trapped in Hell for refusing to give royalties to their valet for inventing a hair tonic. Another author from this country wrote about a woman with a prosthetic leg and hand taking away her lover's dead body in a casket. Besides writing about (\*) Claire Zachanassian in *The Visit*, that author also wrote about scientists feigning insanity in a mental asylum in *The Physicists*. For 10 points, name this country home to Max Frisch and Friedrich Dürrenmatt, which was also the setting of Schiller's play *William Tell*.

ANSWER: Switzerland

16. From inception, this publication employed John Dos Passos, who wrote its article “Reflections of a Middle Class Radical.” An early supporter of drug legalization, this publication’s founder said its role was to “stand athwart history, yelling Stop”, hosted the interview program *Firing Line*, and wrote (\*) *God and Man at Yale*. This publication led the movements to expunge the John Birch Society and draft Barry Goldwater to run for President. Rich Lowry edits - for 10 points - what publication founded by William F. Buckley, Jr, a conservative magazine?  
ANSWER: National Review [or NR]

17. This NFL team was the first one for which future *Survivor* contestant Gary Hogeboom played. After a 1975 playoff game in which this team beat the Vikings on a miracle pass to Drew Pearson, the Catholicism of one of this team’s players inspired the phrase “Hail Mary pass,” referring to a pass thrown by U.S. Naval Academy graduate (\*) Roger Staubach. This team won its last Super Bowl title in 1996 behind the play of Michael Irvin, Emmitt Smith, and Troy Aikman. For 10 points, name this Texas based NFL team.  
ANSWER: Dallas Cowboys [accept either underlined portion]

18. This city is the southern beginning of the traditional Pilgrim’s Route that ended in the north at Nidaros. The government based in this city funds its pension plan primarily from the profits of the petroleum company Statoil. Gardermoen airport is the main one serving this city, where the exploration ship *Fram* and the (\*) *Kon-Tiki* raft can both be visited at museums. This city, known as Christiania until 1877, is located on an arc of land at the tip of a fjord. The Nobel Peace Prize is awarded in - for 10 points - what capital of Norway?  
ANSWER: Oslo [or Kristiania or Christiania until mentioned]

19. Unlike determinate ones, indeterminate rhizobial nodules maintain an active one of these structures. Negative feedback between CLAVATA and WUSCHEL genes maintains an important cell population in a type of these regions. A type of these structures has a two-layer tunica-carpus organization in most (\*) angiosperms. Cells in these regions have small vacuoles and rudimentary plastids. The cambium has a lateral type of this tissue, while shoot or root tips contain the apical type. For 10 points, name these undifferentiated regions in plants where growth occurs.  
ANSWER: meristems [accept any specific kind of meristem; prompt on roots, shoots, or cambium]

20. Beethoven’s *Fidelio* was arranged for for this instrument and vocals by Ignaz Moscheles. A virtuoso on this instrument from the London School who helped John Broadwood improve its design was named Jan Dussek. Johann Cramer nicknamed a concerto in E-flat major for this instrument that was first performed by Friedrich Schneider. (\*) Muzio Clementi and Carl Czerny are best known for their pedagogical works for this instrument. For 10 points, Mozart’s “Jeunehomme” and Beethoven’s “Emperor” are concerti for what instrument with 88 keys?  
ANSWER: piano [or pianoforte; do not accept “fortepiano”]

21. A character in this novel rushes between lab benches in panic after seeing magnesium violently react, mirroring their later behavior as they die in a fire. Another character in this novel fantasizes about Alan Breck Stewart. A third character “famous for sex” poses for the one-armed artist (\*) Teddy Lloyd. At this novel’s end, a nun tips off the headmistress Miss Mackay about the title character’s fascist sympathies. For 10 points, name this novel about a teacher from Edinburgh, written by Muriel Spark.  
ANSWER: *The Prime of Miss Jean Brodie*

22. According to the *Bibliotheca*, Menelaus was attending the funeral of this man’s son when Paris abducted Helen. This man owned a newborn calf that oscillated colors every four hours. One of this man’s spurned lovers was transformed into a bird as punishment for lopping off her father’s purple (\*) lock of hair. This man died of a scalding bath while in the court of King Cocylus, and joined Aeacus and Rhadamanthus as judge of the underworld. For 10 points, name this husband of Pasiphae who commissioned Daedalus to construct a labyrinth.  
ANSWER: Minos

23. When one of this author's speakers wakes up to discover that the gem they were holding is gone, they mourn: "an amethyst remembrance / is all I own." "Sore must be the storm / That could abash the little Bird/ That kept so many warm," according to this poet's (\*) "'Hope' is the thing with feathers." This speaker considers how dreary it must be to be somebody in this author's poem "I'm nobody! Who are you?" For 10 points, name this "Belle of Amherst" who wrote "Because I could not stop for Death."

ANSWER: Emily Dickinson

24. Karl Polanyi's *The Great Transformation* argues a system targeting these people in Britain introduced a "right to live" and impeded market development. John Walter exposed a scandal involving an institution for these people in Andover. The Speenhamland system affecting these people, who often worked in "spikes", was (\*) ended by a reform affecting Elizabethan laws targeting them that were created in 1601. An 1834 act sought to reform outdoor and indoor relief aimed at - for 10 points - what people who often toiled in workhouses?

ANSWER: poor people in Britain [or people in poverty; or obvious equivalents]

## BONUSES

1. It provides extremely even illumination by providing a perfectly defocused image of the light source to the eyepiece. For 10 points each:

[10] Identify this method of illumination, named for a German, which requires field and condenser diaphragms.

ANSWER: **Köhler** Illumination

[10] Köhler illumination is commonly used in modern examples of these devices, whose use was pioneered by Antony van Leeuwenhoek [*"LAY-von-hoke"*].

ANSWER: optical **microscopes** [or light **microscopes**]

[10] A criterion named for this English physicist characterizes the minimum resolvable detail for optical microscopes. With James Jeans, this man attempted to describe the electromagnetic spectrum of a black body.

ANSWER: Lord **Rayleigh** [accept John William **Strutt**]

2. In August 2014, this newspaper retracted the testimony of Seiji Yoshida, which it had used in several articles in the 1990s exposing war crimes related to comfort women. For 10 points each:

[10] Name this second-largest newspaper in Japan, frequently attacked by the LDP for its pacifist views.

ANSWER: **Asahi** Shimbun

[10] Asahi is also the name of the largest Japanese company in this industry; unlike most Japanese companies, it actually has experienced some growth, and acquired 19.9% of Tsingtao from Anheuser-Busch.

ANSWER: **beer** industry [or **brewing** industry; or **alcohol** industry]

[10] The case of Asahi Metal Co. determined whether being in the U.S. "stream of commerce" granted minimal rights to this legal requirement that the state respect all rights owed to a person.

ANSWER: **due process**

3. This poet wrote: "Everyone stands alone at the heart of the world / pierced by a ray of sunlight." For 10 points each:

[10] Name this poet, who also wrote the collections *Day after Day* and *Sunken Oboe*.

ANSWER: Salvatore **Quasimodo**

[10] Quasimodo, alongside fellow poets Giuseppe Ungaretti and Eugenio Montale, led this country's Hermetic movement.

ANSWER: Republic of **Italy**

[10] In a poem titled for them, Eugenio Montale noted: "even the poor / know the richness, / the fragrance of" *these* objects. The speaker of a William Blake poem recalls seeing his "foe outstretched beneath" one of *these* objects.

ANSWER: a **tree** [accept "The Lemon **Trees**" or "A Poison **Tree**"]

4. This monarch promulgated a constitution whose liberal nature was abused by the *fascisti* to seize power in the 1920s. For 10 points each:

[10] Name this monarch, who abdicated the throne after the Battle of Custoza.

ANSWER: **Charles Albert** of Sardinia [or **Carlo Alberto** Amadeo]

[10] Later Sardinian rulers, like Victor Emmanuel II, were more successful than Charles Albert and managed to bring about the unification and creation of this modern-day country.

ANSWER: (Kingdom of) **Italy** [or Reino de **Italia**]

[10] This secret society of agitators called for Italian unification early in the 19th century. Members of this society carried out a revolution in Naples in 1820 and won a constitution for Sardinia in 1821.

ANSWER: **Carbonari**

5. Carlo Carlone decorated the ceiling of the Belvedere Palace found in this country. For 10 points each:

[10] Identify this home country of Oskar Kokoschka, whose obsession with the wife of a composer from this country led him to paint *Bride of the Wind*.

ANSWER: **Austria** [or **Austria-Hungary**; or the **Austro-Hungarian Empire**; or **Österreich**]

[10] Kokoschka painted a portrait of a German magnate with this surname. Portraits of that man's wife sparked a lawsuit eventually won by heiress Maria Altmann.

ANSWER: **Bloch-Bauer** [accept Ferdinand **Bloch-Bauer** or Adele **Bloch-Bauer**]

[10] Kokoschka spent a substantial portion of his life living in this other European country, which is home to a group of "Young" artists led by Damien Hirst.

ANSWER: **United Kingdom** of Great Britain and Northern Ireland [or Great **Britain**; do not accept "England"]

6. This figure perishes as the island on which she rests sinks to the bottom of the sea. For 10 points each:

[10] Name this figure that later reincarnates as a fish, and is caught by her betrothed. Not realizing who she is, her betrothed tries to cut her open, after which she weeps and swims away.

ANSWER: **Aino**

[10] Aino's betrothed is this owner of the *kantele*, the great sorcerer of Finnish mythology.

ANSWER: **Vainamoinen**

[10] Aino and Vainamoinen appear alongside the hero Lemminkäinen and the smith Ilmarinen in this Finnish national epic.

ANSWER: *The* **Kalevala**

7. Name some people who created the music you hear in movies, for 10 points each.

[10] This music production company run by Thomas Bergersen and Nick Phoenix produces large amounts of trailer music. Their most popular track on YouTube, "Protectors of the Earth," often appears in gaming videos.

ANSWER: **Two Steps From Hell**

[10] This German-born composer created the music for the *Pirates of the Caribbean* series, *Gladiator*, *Inception*, and *The Dark Knight*.

ANSWER: Hans **Zimmer**

[10] This composer is probably best known for composing the themes to the *Star Wars* movies and *Jaws*.

ANSWER: John **Williams**

8. These stories are classified using the Aarne-Thompson system. For 10 points each:

[10] Identify this common form of mythology, a typical European genre featuring stock fantasy characters. A major collection of these stories was compiled by the Brothers Grimm.

ANSWER: **fairy tales** [or **folktales**]

[10] This Russian structuralist pioneered analysis of irreducible folktale narratives in *The Morphology of Folktales*.

ANSWER: Vladimir **Propp**

[10] This structuralist pioneered a paradigmatic alternative to Propp's syntagmatic analysis. He believed mythology expressed fundamental units called "mythemes" and used the term "bricolage" to describe mythological thought.

ANSWER: Claude **Lévi-Strauss**

9. Clara Reeve penned an early work in this genre titled *The Old English Baron*. For 10 points each:

[10] Identify this genre of literature that features melodrama, horror, and *lots* of castles. Works in this genre include *The Monk* and *The Castle of Otranto*.

ANSWER: **Gothic** literature

[10] This pioneer of Gothic literature wrote about the de la Mottes in *The Romance of the Forest*, and about Emily St. Aubert's time in Montoni's castle in *The Mysteries of Udolpho*.

ANSWER: Ann **Radcliffe** [accept Ann **Ward**]

[10] In this other Gothic novel, the title character recovers from a bout of yellow fever in Philadelphia while in the care of Dr. Stevens. At its end, the title character agrees to marry Mrs. Fielding.

ANSWER: **Arthur Mervyn** [by Charles Brockden Brown]

10. Chytridiomycosis is causing elevated extinction rates among members of this class. For 10 points each:

[10] Name this vertebrate class that includes the orders Anura and Caudata, as well as the caecilians [*seb-SEE-lee-uns*]. Many of its members respire in part through their constantly damp skin and have aquatic larvae.

ANSWER: **Amphibians**

[10] Like horseshoe crabs, many amphibians exhibit this behavior in which the male grasps the female with his front legs, then fertilizes eggs once they are released.

ANSWER: **amplexus**

[10] Since finding a mate can be a pain, hybrid females of some frogs and salamanders may undergo this mode of asexual reproduction in which unfertilized eggs develop into newborns.

ANSWER: **parthenogenesis**

11. Labor activists now often hold signs saying “Fight for” [this value]. For 10 points each:

[10] Identify this proposed value of the minimum wage endorsed by Bernie Sanders. It’s more than twice the value of the current federal minimum wage.

ANSWER: **\$15** per hour [accept any equivalent mentioning the number **fifteen**]

[10] In January 2014, this city became the first jurisdiction in the nation to raise its minimum wage to \$15 per hour.

ANSWER: **SeaTac**, Washington [do not accept “Seattle” or “Tacoma”]

[10] This governor recently approved a minimum wage that applies only to fast food workers.

ANSWER: Andrew **Cuomo**

12. This man made a killing through his early pioneering of investment banking practices, by which he bankrolled the Union during the Civil War. For 10 points each:

[10] Identify this man, who also financed the creation of the Northern Pacific Railway.

ANSWER: Jay **Cooke** [do not accept “Jay Gould”]

[10] The failure of the Northern Pacific Railway helped spark this financial disaster, which originated in Austria.

ANSWER: **Panic of 1873**

[10] The Panic of 1873 began the “Long” one of these periods of highly reduced economic activity. The “Great” one dominated the terms of Franklin Delano Roosevelt.

ANSWER: **depressions**

13. Bedrich Smetana inaugurated this ethnic group’s musical nationalist tradition. For 10 points each:

[10] Identify this ethnicity of Antonín Dvořák, who paid homage to his heritage with his *Slavonic Dances*.

ANSWER: **Czech** [or **Češi**]

[10] This symphony by Dvořák contains a *furiant* dance in its third movement that got an encore during its Vienna premiere, which was delayed for two seasons due to anti-Czech sentiment.

ANSWER: Symphony No. **6** in D major [accept Symphony No. **1** due to numbering oddities; accept equivalents]

[10] Dvořák also wrote a Slavic-inspired piece called “Dumky” in this genre which features six sections based on Ukrainian folk songs that switch from upbeat to morose melodies.

ANSWER: **piano trio** [prompt on **trio**]

14. Answer the following about Hindu philosophy, for 10 points each.

[10] The best known school of Hindu philosophy in the West is this one, which emphasizes meditation. Its “hatha” variety, which emphasizes physical exercises, developed from Tantric tradition.

ANSWER: **yoga** [accept Hatha **yoga**]

[10] Hindu proofs in this general field of philosophy are called *pramanas*. The Nyaya school’s fallibilist arguments in this field have been proposed as solutions to the Gettier problems.

ANSWER: **epistemology** [prompt on anything involving **knowledge**]

[10] The Advaita and Dvaita schools of Vedanta disagree over whether the essential self, or *atman*, is distinct from this concept, which represents the highest, unchanging reality of the world.

ANSWER: **brahman** [do not accept “Brahma”]

15. The first major empire of these people was called Gök after the celestial blue sky. For 10 points each:

[10] Identify this pan-ethnic group, some members of which became the Seljuk dynasty.

ANSWER: **Turks** [or **Turkic** peoples]

[10] This second Seljuk sultan defeated his uncle Qutulmish to take control of the empire. He received the benefit of the defection of his fellow Turkic warriors, the Cumans, at the Battle of Manzikert.

ANSWER: **Alp Arslan** [or **Muhammad** bin Dawud **Chagri**; do not accept “Chagri Beg”]

[10] Alp Arslan’s vizier Nizam ul-Mulk wrote a famous book in this genre called the *Siyasatnama*. This typically medieval genre basically consists of guides on how to run an empire, such as Machiavelli’s *Il Principe*.

ANSWER: **mirror** for **princes**

16. This quantity equals the magnitude of the rate of change of the unit tangent vector, which for a circle is the reciprocal of the radius. For 10 points each:

[10] Name this quantity that denotes the extent to which a geometric object deviates from straightness.

ANSWER: **curvature**

[10] Curvature is expressed as a tensor for the Riemannian type of these objects. These objects are locally Euclidean, so a neighborhood on an n-dimensional one is homeomorphic to n-dimensional Euclidean space.

ANSWER: **manifold**

[10] The Ambrose-Singer theorem relates the curvature form of a connection on a manifold to this concept, the discrepancy caused by parallel transport on a closed loop.

ANSWER: **holonomy**

17. This city is separated from the country's central plateaus by the Great Escarpment. For 10 points each:

[10] Name this South African city near the southernmost point of Africa, where Robben Island is located.

ANSWER: **Cape Town**

[10] Cape Town names one group of these people in South Africa. In general, this term refers to almost anyone of mixed, at least partially non-European descent in South Africa.

ANSWER: **Coloureds** [do not accept or prompt on anything else]

[10] This semi-arid region separates Cape Town and other coastal cities from South Africa's interior. Located east of the Highveld, this region is home to large numbers of sheep and springboks who feed on its xerophytic plants.

ANSWER: Great **Karoo**

18. Near this story's end, Georg and Ulrich reconcile while buried under the trunk of a tree. For 10 points each:

[10] Name this short story. As the two men cry out for help, they notice a group of approaching figures, who turn out to be not men but ravenous wolves.

ANSWER: "The **Interlopers**"

[10] "The Interlopers" was written by this British satirist, who wrote about a "self-possessed young lady of fifteen" pranking Framton Nuttel in "The Open Window."

ANSWER: **Saki** [accept Hector Hugh **Munro**]

[10] In another of Saki's stories, the sickly Conradin idolizes one of these animals named Sredni Vashtar, which eventually escapes the tool-shed inhabited by a Houdan hen.

ANSWER: polecat-**ferret**

19. Answer the following about the colonies known as cleruchies [*"KLER-uh-keys"*], for 10 points each.

[10] Most early cleruchies were established by this Attic city, which led the Delian League and was led by Pericles.

ANSWER: **Athens** [or **Athenai**]

[10] Poor citizens could receive land by becoming colonists in cleruchies, thus gaining the status of *zeugitai* under the class system established by this Athenian leader, who created the Council of Four Hundred.

ANSWER: **Solon**

[10] Athens planted cleruchies to help control defeated cities such as this other Attic city, located opposite the island of Salamis. It was the home of Byzas, who founded the city of Byzantium.

ANSWER: **Megara**

20. This scholar used the term "hierophany" to describe manifestations of the divine. For 10 points each:

[10] Identify this Romanian religious scholar who argued that even modern, secular man shares a religious desire to return to a mythical age, a concept he described with the borrowed term "eternal return."

ANSWER: Mircea **Eliade**

[10] Eliade authored a study of these spiritualists who perform rituals to alter peoples' states of consciousness to let them enter the spirit world. The common name for them is derived from Tungusic languages.

ANSWER: **shamans**

[10] Traditional shamanism among these people uses altars called *ovoo* and venerates the earth god Natigai. These peoples' language is the origin of the term *lama* used in Tibetan Buddhism, which is common among them.

ANSWER: **Mongols**



21. This historian emphasized conflict between merchants and the feudal order in books like *Medieval Cities*. For 10 points each:

[10] Identify this historian, who considered the real break of the history of Rome to come with the expansion of Islam, which cut off Europe from trade and resulted in its stagnation.

ANSWER: Henri **Pirenne**

[10] Pirenne's non-catastrophist views of the fall of Rome contrasted with this historian, the author of *The Decline and Fall of the Roman Empire*.

ANSWER: Edward **Gibbon**

[10] Pirenne's approach to history influenced the *longue durée* approach of this later French school, which included Fernand Braudel.

ANSWER: **Annales** school

22. Answer some questions about ferrocene, for 10 points each.

[10] Ferrocene consists of two cyclopentadienyl rings sandwiching an atom of this element.

ANSWER: **Iron** [or **Fe**]

[10] Acetic anhydride and phosphoric acid can be used to perform this reaction on ferrocene. Typically, aluminum trichloride is used in this electrophilic aromatic substitution reaction, which has alkylation and acetylation versions.

ANSWER: **Friedel-Crafts** alkylation or acylation

[10] Ligands like diphenylphosphinoferrrocene ["di-fenyl-phosphino-ferrrocene"] are used in this palladium cross-coupling reaction between amines and aryl halides.

ANSWER: **Buchwald-Hartwig** reaction

23. The lead female puts on a red slip in this woman's staging of *The Rite of Spring*, which has the stage covered in soil. For 10 points each:

[10] Name this modern dancer, the founder of the Tanztheater Wuppertal and subject of a Wim Wenders film. A dreamer collides with tables and chairs in her repetitive *Café Müller*, featured in Pedro Almodóvar's *Talk to Her*.

ANSWER: Philippina "**Pina**" **Bausch** [accept either underlined portion]

[10] *The Rite of Spring's* original choreography was done by this Russian dancer of the Ballets Russes, who caused controversy by thrusting his body into a nymph's scarf at the end of *The Afternoon of a Faun*.

ANSWER: Vaslav **Nijinsky**

[10] Nijinsky was one of few male dancers of his time who could perform this technique of dancing on the tips of one's toes. It uses a special shoe reinforced with a box and a shank.

ANSWER: dancing en **pointe**

24. In this novel, a WASP named Mother buys into Emma Goldman's philosophy while the Father is busy fornicating with Eskimos in the Arctic. For 10 points each:

[10] Name this novel, which also includes such historical characters as Harry Houdini and Henry Ford.

ANSWER: **Ragtime**

[10] *Ragtime* was written by this American author of *Billy Bathgate*.

ANSWER: E. L. **Doctorow**

[10] In this Doctorow novel, the "Bad Man from Bodie" terrorizes the title settlement until he is finally shot by Mayor Blue.

ANSWER: **Welcome to Hard Times**