

TOSSUPS

The following tossup may be read to any team.

1. A ruler in this present-day country sent its “Famous 40” abroad to modernize a supposedly 900-year-old monarchy that oppressed a servant caste of “marginalized ones.” This country’s unifier said he was “dancing on the heads of snakes” by balancing Hashid tribalists who joined rival “scientific institutes” and “Believing Youth” summer camps. Jinn supposedly shielded a ruler in this country who wrote a poem to mock a foreign leader who gassed its royalists with phosgene in his “long-breath strategy” and backed FLOSY against its Marxist NLF. After this country’s September 26 Revolution overthrew the Mutawakkilite imamate in 1962, Egypt aided its republicans in a civil war dubbed “Nasser’s Vietnam.” In 1990, this country’s communist South and largely Zaydi North were unified by Ali Abdullah Saleh. For 10 points, name this homeland of the Houthis (“HOOTH-eez”).

ANSWER: **Yemen** [or al-**Yaman** or **Yemeni** Republic or al-Jumhūriyya l-**Yamaniyya**; accept North **Yemen**, South **Yemen**, **Yemen** Arab Republic, **YAR**, People’s (Democratic) Republic of South **Yemen**, **PDRY**, (Mutawakkilite) Kingdom of **Yemen**, al-Jumhūriyah al-‘Arabīyah al-**Yamanīyah**, al-Mamlakah (al-Mutawakkilīyah) al-**Yamanīyah**, Democratic **Yemen**, al-**Yaman** al-Janubiyy, al-**Yaman** ad-Dīmuqrāṭīyy, or Jumhūriyat al-**Yaman** (ad-Dīmuqrāṭīyah) ash-Sha’biyah] (The caste is the al-muhamashīn. The imams were Yaḥyā and ‘Aḥmad bin Yaḥyā.)
<World History>

The following tossup may NOT be read to UNC B.

2. After seven unrivaled warriors spur this sluggish god to destroy the black-headed folk, he mocks a dimmed diadem and usurps the king of the gods in an epic that praises his brilliance making “all people perish.” This striding god originally represented the scorching midday sun. In the Amarna Letters, Alashiya’s copper workers are gripped by the “hand of” this god, whose Mitanni version, Aplu, was blamed for tularemia or a similar plague. Ishum tries to hold back this angry god, whose cult center was in Kutha before he was conflated with Erra. This god is condemned for his rude failure to stand for the vizier Namtar at Anu’s banquet. This god freely returns to the surface after he lays for a week in Irkalla with Inanna’s sister. For 10 points, what malevolent Sumerian war god visits the underworld and becomes the consort of Ereshkigal?

ANSWER: **Nergal** [or **Ner-unu-gal**, **Gir-unu-gal**, or **Kiš-unu**; accept **Erra**, **Irra**, Lugal-**irra**, *The Epic of Erra*, or *The Wrath of Erra* until “Erra” is read; accept **Aplu** until read; accept **Resheph** or **Meslamtaea** or **shid-lam-ta-ud-du-a**; accept *The Marriage of Ereshkigal and Nergal* or similar titles; accept Hand of **Nergal**]
<Mythology>

The following tossup may NOT be read to Chicago A.

3. This author’s surprising posthumous reputation as a realist led Aristophanes of Byzantium to ask of this author and life, “which of you imitated the other?” This contemporary of Diphilus and Philemon originated the maxim that “He whom the gods love dies young” in *The Double Deceiver*. George Bernard Shaw suggested *The Rape of the Locks* as a title for a fragment by this author, in which a mercenary cuts off his common-law wife’s hair. A prologue recited by the god Pan opens a play by this author in which the title character’s rescue from a well leads him to accept the love-struck Sostratos as a son-in-law. This author of *Girl from Samos* and *Perikeiromene* influenced Molière with a play about Knemon, a curmudgeonly old man. For 10 points, name this 4th-century BC playwright of *Dyskolos*, the only surviving exemplar of Athenian New Comedy.

ANSWER: **Menander** [or **Menandros**]
<European Literature>

The following tossup may be read to any team.

4. In the paper “Will the Real [this quantity] Please Stand Up,” Blackorby and Russell popularized a measure of it named for Michio Morishima. This quantity co-names an “Armington Aggregator” used in gravity models. Most applications of the Dixit–Stiglitz monopolistic competition model assume that this quantity is constant. With constant returns to scale, a class of production functions named for keeping this quantity constant reduces to Leontief or Cobb–Douglas functions. *Capital in the 21st Century* controversially argues that, between capital and labor, this quantity is above one. This quantity is represented by the degree of convexity of an isoquant. For 10 points, name this measure of the interchangeability of two production factors, equal to the change in their use ratios over the ratio of their marginal rates of technical substitution.

ANSWER: **elasticity of substitution** [accept answers that include word forms of **elasticity** or **substitute**; accept constant **elasticity** of **substitution** or **CES**; prompt on **elasticity**]
<Social Science>

The following tossup may NOT be read to ASU A.

5. *Note to players: The answer is a first-level subnational political region such as a state or province; other types of region will not be prompted.* This region’s 800-year-old lineage of soul guardians picketed a theme park at the “Lord’s Enclosure” mausoleum. In 2020, students of an alleged “model minority” in this region protested “bilingual education” replacing the vertical Hudum script. In 2004, much of this region banned cashmere goats to halt overgrazing that worsened its *dzud* (“jood”) winters. This region’s 1967 purge of its “Red Son” inspired a secessionist party symbolized by part of Zanabazar’s soyombo. Herders condemn this region’s desertification in the didactic econovel *Wolf Totem*. Khalkha irredentists seek to reunite with Buryatia and this region, which designates banners for Daur and Oroqen people. Hân people displaced this region’s nomadic Tümed in Ordos City, Bāotóu (“bao-toh”), and Hohhot southwest of Xanadu. For 10 points, what Chinese autonomous region curves around its “outer” counterpart?

ANSWER: **Inner Mongolia** [or **Nèi Měnggǔ** Zìzhìqū; or **Öbür mongyol**-un öbertegen jasaqu orun; accept **South Mongolia**; accept **Inner Mongolian** People’s Party or **Inner Mongolian** People’s Revolutionary Party; prompt on **Mongolia**, **Měng**, **NM**, Greater **Mongolia**, Dayaar **Mongol**, or Khamag **Mongol**] (Clues include the Darkhad protectors of the Mausoleum of Genghis Khan and Ulanhu.)
<Geography>

The following tossup may be read to any team.

6. This colony is not in Indochina, but a priest lobbied the UN to create its two Hmong villages after the failed Stirn Plan. Francisco de Mello Palheta (“frah-SEECE-koo jee MELL-oo pahl-YAY-tah”) legendarily stole coffee seeds from this colony, which Portugal occupied with Brazil’s first navy in 1809. Annamites settled this colony’s “green hell” in Inini after the Yên Bái mutiny. This so-called “Dry Guillotine” was the birthplace of the governor of Guadeloupe and Equatorial Africa who promulgated his “new native policy” at the Brazzaville Conference, Félix Éboué (“fay-LEEKS ay-BWAY”). This colony’s facilities in Sinnamary adapted Kazakhstan’s Soyuz protocols from Baikonur. A spicy pepper may name the capital of this extant colony, which Henri Charrière (“ahn-REE shar-YAIR”) wrote of escaping in *Papillon* (“pah-pee-ON”) For 10 points, what overseas department contains the ESA’s Kourou spaceport and the former penal colony of Devil’s Island?

ANSWER: **French Guiana** [or **Guyane** française (“ghee-YAHN frahn-SEZZ”); or La **Guyane** or **Lagwiyann**; accept **Cayenne** or **cayenne** pepper or Bagne de **Cayenne**; accept **Inini** until read; prompt on **Guiana** or the **Guianas**; prompt on **Devil’s Island**, **Île du Diable**, **Salvation Islands**, or **Îles du Salut** until “Devil’s Island” is read by asking “what administrative territory is it located in?”] (A memoir by René Belbenoît popularized the nickname “Dry Guillotine.” The ESA is the European Space Agency.)

<Other History>

The following tossup may be read to any team.

7. A position that this thinker presented as the “Extreme Claim” is challenged in several Marya Schechtman books. This thinker described how “life seemed like a glass tunnel, through which I was moving faster every year” before a change of view that allowed this thinker to “live in the open air.” This thinker acknowledged the difficulty of overcoming the Non-Reductionist View when faced with a green button in the “Branch-Line Case.” Tibetan monks supposedly chant a book by this thinker that argues that the “psychological connectedness” of Relation R is all that matters, meaning that “ordinary survival” is no better than using a teletransporter that replicates you on Mars. For 10 points, what Oxford philosopher wrote about personal identity and introduced the Repugnant Conclusion in *Reasons and Persons*?

ANSWER: Derek **Parfit** [or Derek Antony **Parfit**]

<Philosophy>

The following tossup may be read to any team.

8. This scientist and a German-born colleague proposed an altered taxonomy to avoid the conflation of current utility and historical origin. This scientist is the alphabetically first author of a paper that critiques how the failure of an explanation leads to the creation of plausible stories rather than the search for proper explanations in the title “Panglossian paradigm.” Historical contingency was explained using a thought experiment inspired by *It’s a Wonderful Life* by this scientist, who wrote *Ever Since Darwin*. The encyclical *Humani generis* (“oo-MA-nee GEN-uh-reese”) inspired this scientist’s idea that science and religion are non-overlapping magisteria. With Richard Lewontin, this scientist adapted the term “spandrel” to biology. For 10 points, *The Mismeasure of Man* is by what scientist who, with Niles Eldredge, developed the theory of punctuated equilibrium?

ANSWER: Stephen Jay **Gould** (The first sentence refers to “Exaptation-A Missing Term in the Science of Form” by Gould and Elisabeth S. Vrba.)

<Other Science>

The following tossup may be read to any team.

9. This present-day country names a memorial library of veterans' records at SOAS ("SO-ass"). 2012 digs in this country failed to find mythical buried Spitfires. This country's puppet *adipadi* ceded its Frontier Areas and earlier defended the "Galon King" who led a 1930 peasant revolt. 200,000 Indians, including wealthy Chettiars, fled this country after the December bombing of its main port, which was retaken by the "forgotten army" after the swampy Battle of Ramree Island. Lion statues from this country name long-range Chindit brigades. Sweat Army conscripts and Australian POWs linked this country's city of Moulmein ("mole-MINE") to its eastern neighbor's Hellfire Pass via a "death railway." Japan's 1942 occupation of this country closed its namesake British supply road to Yúnnán ("yoon-nahn"). For 10 points, what country's Independence Army was led by *Thakins* like Aung San?

ANSWER: **Burma** [or **Myanmar**, **Bama**, **Mranma**, Republic of the Union of **Myanmar**, or Pyidaunzu Thanmăda **Myanma** Nainngandaw; accept British **Burma**, **Burma** Road, **Burma** campaign, **Burma** Railway, Thai-**Burma** Railway, Siam-**Burma** Railway, **Burma** Independence Army, State of **Burma**, **Biruma**-koku, or **Bama** Nuingngamtau] (Ba Maw defended the leader of the Saya San Rebellion. The third line refers to the Bombing of Rangoon and British Fourteenth Army. The Chindits were named for chinthes.)

<World History>

The following tossup may NOT be read to Stanford A.

10. As a young man, this character saves his paycheck to spend on a fancy Viennese coffee, only to break the glass with his spoon. This character opens a coffin to find the body preserved, but when he kisses its lips a sudden wind causes it to disintegrate. This character has his bones set one at a time by an elderly blind man after nearly dying in the rubble of an earthquake. This character sneaks into an abandoned sawmill to kill a young man but manages only to slice off three of his fingers with an ax. At the end of the novel, this man begs Tránsito Soto to help return his granddaughter, who is being tortured after a coup. This future senator becomes the brutal *patrón* of the hacienda Tres Marías after the death of his green-haired fiancée Rosa the Beautiful. For 10 points, name this husband of Clara del Valle and patriarch of the Trueba family in Isabelle Allende's *The House of the Spirits*.

ANSWER: **Esteban** Trueba [prompt on Trueba]

<World Literature>

The following tossup may be read to any team.

11. The maximum ratio of two values of this quantity is "pi [pause] over 8 times the natural log of the Lundquist number" in the Petschek model. For Debye ("duh-BYE") sheaths to form, a value of this quantity must exceed a minimum given by the Bohm criterion. Integrals of powers of this non-distance quantity times the distribution function are often used to obtain the plasma moments. The Lundquist number formula includes a value of this quantity equal to magnetic field strength over the square root of mu-nought times density, which is named for Hannes Alfvén ("all-VANE"). A species's contribution to current density is charge density times this quantity. An ion's characteristic value for this quantity is "the square root of [pause] *k* times temperature over mass." For 10 points, the Maxwell-Boltzmann distribution can be used to find what quantity's root-mean-square value in a plasma?

ANSWER: **speed** [or **velocity**; accept group **speed** or group **velocity**; accept ion **speed** or ion **velocity**; accept Alfvén **speed** or Alfvén **velocity**; accept reconnection **speed** or reconnection **velocity**; accept thermal **speed** or thermal **velocity**; prompt on v or v]

<Physics>

The following tossup may be read to any team.

12. A photographer from this country digitally manipulated anime and manga into abstract color fields in the *Substrat* series, and drew upon *The Doors of Perception* for his *d.o.p.e.* series. Suspended potatoes surround photographers from this country in one of their many staged, chaotic scenes involving thrown furniture and smashed plates. Due to their influence, two artists from this country were included in an American exhibit of “Man-Altered Landscapes” called *New Topographics*. Two photographers from this country captured typologies, or grids of industrial structures like water towers. A husband-and-wife duo from this country taught a photographer known for very large format photos of densely detailed, multicolored scenes like supermarket shelves. For 10 points, name this home country of Andreas Gursky.

ANSWER: **Germany** [or **Deutschland**; or Federal Republic of **Germany**; or Bundesrepublik **Deutschland**] (The photographers are Thomas Ruff, Anna and Bernhard Blume, and Bernd and Hilla Becher of the Düsseldorf School of Photography.)

<Other Fine Arts>

The following tossup may be read to any team.

13. Deriving these functions via probability and certainty equivalence methods is impeded by “reversals” first observed by Slovic and Lichtenstein. These functions are written as “A-to-the-i of P plus B of P times M” in a “polar form” named for William Gorman. “Multi-attribute” types of these functions are common in healthcare economics, in which “standard gamble” and “time trade-off” measurements can give different results. Roy’s identity relates Marshallian demand to partial derivatives of an “indirect” type of these functions, which are the inverse of the expenditure function. A ratio of derivatives of these functions defines the Arrow–Pratt measure of risk aversion. Reaching a fixed value of these functions at minimum cost defines the Hicksian demand. For 10 points, name these functions that have constant outputs along indifference curves.

ANSWER: **utility** functions [or expected **utility** functions; accept **preferences** or **payoff** functions]

<Social Science>

The following tossup may be read to any team.

14. This was the smallest present-day country where activists held “calendar demonstrations” to protest important historical anniversaries. An economic movement named for its goal of a “self-managing” version of this present-day country went by the acronym IME (“EE-may”), which means “miracle” in its native language. Support for mass organized events in this country like the Hirvepark (“HEER-veh-park”) Meeting was bolstered by the success of environmental protests against the opening of phosphorite mines. The MRP-AEG in this present-day country was devoted to publishing the text of the Molotov–Ribbentrop Pact. Founders of a Popular Front in this country, including Edgar Savisaar, announced their support for *perestroika* and organized the northern terminus of a human chain as part of the larger Singing Revolution. For 10 points, name this smallest and northernmost of the Baltic Soviet Socialist Republics.

ANSWER: **Estonia** [or Republic of **Estonia** or **Eesti** Vabariik; accept **Estonian** Soviet Socialist Republic or **Estonian** SSR or **Eesti** Nõukogude Sotsialistlik Vabariik]

<European History>

The following tossup may be read to any team.

15. This city's Diocesan Museum houses a painting in which Judas conceals a black purse while Christ performs the Eucharist with his kneeling apostles. Grinling Gibbons's limewood *Cosimo Panel* includes a medallion of an artist from this city who decorated the Palazzo Pitti with gilded stucco; that artist from this city decorated the Pitti's heated Stove Room with frescoes on *The Four Ages of Man*. The Flemish technique of an upside-down inscription of "Ecce Ancilla Domini" appears in an *Annunciation* named for this city by Fra Angelico. An artist from this city painted the 12-star Crown of Immortality being held by an angel looking at the luminous title figure, while three golden bees are encircled by a giant wreath, in a ceiling fresco. For 10 points, the Palazzo Barberini's *Allegory of Divine Providence* was painted by an artist from what city named Pietro?

ANSWER: **Cortona** [accept Pietro da **Cortona**; accept *Annunciation of Cortona* or *Annunciazione di Cortona*]

(The painting in the first line is by Luca Signorelli, who was born in Cortona.)

<Painting & Sculpture>

The following tossup may be read to any team.

16. A member of this profession is depicted next to the inscriptions "Stella Maris," "Novo Pilota," and both a Star of David and a swastika in a portrait by Amedeo Modigliani ("mo-deel-YAH-nee"). Pierre-Auguste Renoir painted a portrait of a member of this profession seated wearing a toreador costume. That member of this profession names a series in which Pablo Picasso explored his minotaur obsession in a "suite" of 100 Neoclassical line etchings. An establishment in the Rue Laffitte ("rew lah-FEET") owned by a member of this profession is the setting of Maurice Denis's ("duh-NEE's") *Homage to Cézanne* ("say-ZAN"). Wavy hair and a pocket watch chain are visible in Picasso's analytical Cubist portrait of a member of this profession named Daniel-Henry Kahnweiler ("KAHN-vyler"). For 10 points, Ambroise Vollard ("vol-LAR") was a member of what profession that became more influential due to the decline of the Salon system?

ANSWER: art **dealers** [or art **collectors**; or **gallerists** or **gallery** owners; reject "curators" or "museum owners" or equivalents] (The first line refers to Modigliani's portrait of Paul Guillaume.)

<Painting & Sculpture>

The following tossup may be read to any team.

17. *Specific term required.* This technique was attacked in the essay "The Enchanted Gaze" by Max Morise ("mo-REESE"). Theodore Flournoy helped Hélène Smith use this technique to create Hindu, Martian, and Royal cycles. A form of this technique that used smoke called *fumage* ("few-MAHJ") was developed by Wolfgang Paalen. An essay on this technique's "message" was published in the journal *Minotaure* ("min-uh-TOR") by an artist who said it was not dictated by "any aesthetic or moral concern" in a 1924 essay. In works like *Birth of Birds* and *Battle of Fishes*, André Masson used this technique for drawings, which were also produced by this technique in the collaborative game of exquisite corpse. Philippe Soupault ("soo-POH") co-wrote a book using this technique called *The Magnetic Fields*. For 10 points, a "psychic" form of what unconscious technique was used by André Breton to define Surrealism?

ANSWER: **automatism** [or **automatisme**; or **automatic** writing or écriture **automatique**; or **automatic** drawing; accept psychic **automatism**; prompt on spontaneity, spontaneous writing, spontaneous drawing, free association, or subconscious; prompt on unconscious until read]

<Painting & Sculpture>

The following tossup may be read to any team.

18. Landscapes of Isolation Peak and Lake Superior influenced by this system were painted by Group of Seven member Lawren Harris. This system influenced a depiction of the three blue, front-facing nudes in a triptych titled *Evolution*. A triangular color spectrum converges towards a golden orb in a painting titled *Altarpiece* inspired by this system that was part of its artist's *Paintings for the Temple*. A book of illustrations called *Thought-Forms* created to illustrate this system was influential on artists like František Kupka. The idea that "The eye is the hammer, while the soul is a piano" appears in a 1910 artistic treatise influenced by this system that was followed by the *Blue Rider Almanac*. For 10 points, Wassily Kandinsky's *Concerning the Spiritual in Art* was inspired by what mystical religion co-founded by Helena Blavatsky?

ANSWER: **Theosophy** ("thee-OSS-uh-fee") [or **Theosophical Society**] (Hilma af Klint created the *Paintings for the Temple*.)

<Painting & Sculpture>

The following tossup may be read to any team.

19. *Note to players: The answer does not involve a specific ethnic group. Description acceptable.* One of these religious groups grew in power from colonial disruption of *mbumba* ("um-BUM-buh") lineages and derides girls in the *chinamwali* ceremony. One of these groups dances to a drum representing the divine fish Tanse ("TAHN-seh") during *plantar* ("plahn-TAR"). Chewa religion centers on one of these groups called the Nyau. FGM in Sierra Leone is linked to religious mandates of the Sande ("SAHN-deh") example of these groups, which complements the all-male Poro. The Nsibidi ("in-sih-BEE-dee") script was created by one of these religious groups called the Ekpe, which enslaved Ñañigos ("nyah-NYEE-gohss") in Cuba adapted into the Abakuá. Cannibalism sprees were blamed on "Crocodile" and "Leopard" examples of these groups, often center on masquerades West African religions. For 10 points, describe these religious groups, which in China included the "Righteous and Harmonious Fists."

ANSWER: secret **societies** [or secret **society**, **confraternities**, **moieties**, **cults**, **sororities**, or word forms of any; accept **masquerade** societies or descriptions of the use of **masks**; accept **mutual aid** groups; accept descriptions of groups that require **initiation** or keep practices **private**, **hidden**, or reserved to **members**] (Wakandan writing is based on the Nsibidi.)

<Religion>

The following tossup may NOT be read to Yale B.

20. *Note to moderator: Read the answerline carefully.* The study of one of these behaviors began with the 1975 discovery of the specimen Richard Henry and focuses on "exploded" regions studded with concavities appropriate for "booming." Ernst Mayr ate countless individuals from a taxonomic family in which these behaviors seemingly conflict with a high hybridization rate. Julian Huxley compared animals taking these behaviors to racing plesiosaurs while studying a species that the Māori call the pūteketeke. The distance between animals performing these behaviors is relatively low in a true lek. Promiscuous species perform this behavior in a prepared arena within their territory, but in most species it occurs between bonded pairs. A "sexy son" uses these behaviors to signal their high fitness. For 10 points, name these ritualized behaviors for attracting potential partners, like the dance of a swan.

ANSWER: **courtship** rituals [or **courting**; accept **mating displays** or **mating dances** or female **mate choice**; prompt on **displaying**, **mating**, **nesting**, arena **breeding**, **gifting** food, **mate-feeding**, ritual **preening**, or (mutual) sexual **selection**; prompt on **lekking** or pair **bonding** until each is read; prompt on descriptions of **vocalization**, **calling**, **singing**, or **hopping** until "dance" is read by asking "for what purpose?"; prompt on **promiscuous** mating, **polygamy**, **promiscuity**, **polygyny**, or **polyandry** until "promiscuous" is read] (Richard Henry was the last South Island kākāpō.)

<Biology>

The following tossup may be read to any team.

21. In a controversial article that can only be accessed via the Wayback Machine, a “shifty” component of this system is analyzed by Mikel (“Michael”) Harry. This system requires a Cpk capability index equal to two, where Cpk is calculated from a control chart. This system rather arbitrarily adapts the concept of “benderizing” tolerances to add or subtract 1.5. The PDSA cycle developed by Walter Shewhart and W. Edwards Deming inspired two of this system’s methodologies known by the acronyms DMAIC (“duh-may-ick”) and DMADV (“duh-mad-vee”) methodologies. Jack Welch claimed this system saved his company billions of dollars. This system, which is sometimes combined with lean manufacturing, aims to keep processes under the limit of 3.4 defects per million opportunities. For 10 points, what management system is named for keeping variability within a certain number of standard deviations?

ANSWER: **Six Sigma** [accept Lean **Six Sigma**] (The Mikel Harry article can be accessed via <https://web.archive.org/web/20131105005653/http://drmikelharry.wordpress.com/2013/10/29/the-shifty-business-of-process-shifts-part-3/>. PDSA is Plan, Do, Study, Act. DMAIC is Define, Measure, Analyze, Improve, Control. DMADV is Define, Measure, Analyze, Design, Verify. Jack Welch was CEO of GE.)
<Other Science>

BONUSES

The following bonus may NOT be read to JHU A.

1. Rinderpest and smallpox plagued Karagwe in this present-day country in the 1890s, when its Chagga principalities introduced coffee to their irrigated groves. For 10 points each:

[10m] Name this country whose Hehe sultan Mkwawa led guerrillas in the 1890s, after which colonists took his skull and that of Mangi Meli. This country's Togo-style cotton program caused famine after the Maji Maji War.

ANSWER: **Tanzania** [or United Republic of **Tanzania** or Jamhuri ya Muungano wa **Tanzania**; accept **Tanganyika**; prompt on **German East Africa** or **Deutsch-Ostafrika** or **GEA**]

[10e] This empire's trader Rumliza kept power in Ujiji, Tanzania in the 1890s after Germans hanged its planter Abushiri. Hurricanes wrecked this Arab empire's clove crops in Zanzibar.

ANSWER: **Omani** Empire [or Sultanate of **Oman** or Saltanat 'Umān; or al-imbraṭwrya al'manya]

[10h] Inland Omani colonies hired caravans led by this ethnic group derived from Tabora's *ntemi* complex. Mirambo and Msiri took power as their long-distance contract porters, who traded cloth and ivory from Bagamoyo.

ANSWER: **Nyamwezi** people [or **Wanyamwezi** or **Banyamwezi**; accept **Unyamwezi**; accept **Yeke**, **Sukuma**, **Wayeke**, **Wasukuma**, **Bayeke**, or **Basukuma**; prompt on **Bantu** peoples]

<World History>

The following bonus may NOT be read to Berkeley B.

2. Glaucias led the Taulantii during Alexander's Balkan campaign against a king of this name, whose father Bardylis invaded Molossia with aid from Dionysius I of Syracuse. For 10 points each:

[10m] Give this name of an Illyrian king who burned Pellium. Antipater won the Lamian War with aid from an admiral of this name called "the White," in contrast to a "Black" hipparch killed by Alexander in Samarkand.

ANSWER: **Cleitus** [or **Kleitos** or **Clitus**; accept **Cleitus** the Black or **Kleítos** o mélas; accept **Cleitus** the White or **Kleitos** o lefkós]

[10h] Cleitus and Bardylis may have led this tribe north of Paeonia, which inspired Ibrahim Rugova's Kosovar flag. Pergamon fought Philip V with a leader of this tribe, who was named "Bato" like Breuci and Daesitiates rebels.

ANSWER: **Dardani** [or **Dardania** or **Dardanian** or **Dardanes**; accept Kingdom of **Dardania** or Kraljevina **Dardanija** or Mbretëria e **Dardanisë**; prompt on **Illyrians**] (It is unclear if the Dardani formed a kingdom or another type of polity. The other two Batos led the bellum Batonianum, or "War of the Batos.")

[10e] Unlike Appian's *Illyrica*, Dio reports that Moesia ("MEE-shuh") absorbed the Dardani, Triballi, and Bastarnae under the grandson of this wealthy triumvir.

ANSWER: **Crassus** [or Marcus Licinius **Crassus**]

<Other History>

The following bonus may be read to any team.

3. Javier Marías fictionalized this holiday’s namesake graduate college at Oxford, whose fellow Max Müller was the first professor of comparative philology. For 10 points each:

[10m] Name this official Christian holiday whose medieval European liturgy featured the “Dies irae” (“DEE-ess EE-ray”) to honor the faithful, who were thought to reappear as toads from Purgatory.

ANSWER: **All Souls** [or **All Souls’ Day** or Feast of **All Souls**; or Commemoration of All the Faithful **Departed**; accept **All Souls College** or College of the **Souls** of **All** the Faithful Departed; accept **Todas las almas**; prompt on All**hallowtide** or triduum of **Hallowtide** or **Hallowmas**; reject “Halloween,” “All Hallows,” “All Saints’ Day,” “Day of the Dead,” or equivalents of any]

[10e] W. H. Auden had a vision of a “literary All Souls Night” after reading W. P. Ker and assigned students his book comparing medieval epic and this genre. The French word for “novel” comes from this genre.

ANSWER: **romance** [accept chivalric **romance**; accept *Epic and Romance*; prompt on **roman**] (Auden taught “Fate and the Individual in European Literature” at the University of Michigan.)

[10h] *Specific word required.* Ker’s *Epic and Romance* informed Nora and H. M. Chadwicks’ theory about this sort of “age” among the Celts. C. M. Bowra contrasted panegyrics (“pan-uh-JYE-rick’s”) with this sort of Greek and Norse poetry about the distant past.

ANSWER: **heroic** [or word forms of **heroes**; accept *The Heroic Age*; accept **Heroic Poetry**]

<Other Academic>

The following bonus may NOT be read to Toronto A or Toronto B.

4. The Yoneda lemma, an extreme generalization of Cayley’s theorem, is a central result in this field. For 10 points each:

[10m] Name this field of math, whose namesake structures consist of objects and morphisms subject to associative composition.

ANSWER: **category** theory

[10h] The Yoneda lemma involves functors from categories to this specific category, whose morphisms are total functions.

ANSWER: **Set** [or the category of **sets**]

[10e] In accordance with one of the axioms for categories, objects in Set have a morphism of this type. This type of function maps all elements to themselves.

ANSWER: **identity** [or **id**; accept **identity** morphism or **identity** function]

<Other Science>

The following bonus may NOT be read to Michigan A.

5. 18th-century drainage projects in this state's Sussex County evolved into cooperatives called "tax ditches." For 10 points each:

[10e] Name this state whose Court of Chancery resolves tax disputes over its S-Corp LLCs. This state sparked a leadership dispute by officially recognizing a Lenape tribe in 2016, 36 years after New Jersey.

ANSWER: **Delaware** [or **DE**; accept Lenape Indian Tribe of **Delaware**; accept **Delaware** S-Corps; accept **Delaware** Court of Chancery]

[10m] Delaware's historic crossroads of Bear constitutes one of these inhabited areas that lack municipal government. Some New Jersey townships split these unincorporated areas defined for statistical purposes.

ANSWER: **census-designated place** [or **CDPs**; prompt on **places**]

[10h] Census-designated places may include these irregular land tracts left over by surveys of Maine and Vermont. New Hampshire's forests consumed these parcels, whose name comes from the Old English for "spear."

ANSWER: **gores** [accept **gār**]

<Geography>

The following bonus may be read to any team.

6. During the Spanish Civil War, this newspaper lost most of its subscribers for refusing to support Franco's Nationalists, in contrast to *The Tablet* and *Catholic Herald*. For 10 points each:

[10m] Name this pacifist newspaper founded by Peter Maurin and the *Commonweal* reporter Dorothy Day as part of a movement that created "hospitality houses" for the poor.

ANSWER: *Catholic Worker* [or the *Worker*; accept Catholic **Worker** movement]

[10e] Thérèse of Lisieux's "little way" influenced both the *Catholic Worker* and this group's founder Josemaría Escrivá, who wrote *The Way* in Francoist Spain. Named for a Latin phrase, this ultraconservative group practices mortification.

ANSWER: **Opus Dei** ("day") [or Prelature of the Holy Cross and **Opus Dei**; or Praelatura Sanctae Crucis et **Operis Dei**]

[10h] At Opus Dei's University of Navarra, Frederick Wilhelmsen founded the traditionalist Catholic magazine *Triumph* with this activist who ghostwrote Barry Goldwater's *The Conscience of a Conservative*.

ANSWER: L. Brent **Bozell** Jr.

<Religion>

The following bonus may be read to any team.

7. Two Komnenian buildings with this name were mythically constructed to avert a prophecy about a snakebite, but an asp entered in a fruit basket on the ordained day. For 10 points each:

[10h] Give this modern name of a building whose lamp legendarily guided Leander across the Hellespont. Another building got this name from the 40 people who supposedly leapt off during the Mongol sack of Merv.

ANSWER: **Maiden's Tower** [or **Kız Kulesi**, **Kızkalesi**, **Qız qalası**, or **Kyz Kala**; or **Tower** of the **Maiden** or similar paraphrases; accept **girl** or **daughter** in place of “maiden”; accept **castle**, **fortress**, **stronghold**, or **koshk** in place of “tower”] (One Komnenian building is in Mersin Province, Cilicia, and the other is in Istanbul.)

[10e] An Afrasiyab Badalbeyli ballet dramatizes a 12th-century Maiden Tower that stands near the Palace of the Shirvanshahs in this Caucasian national capital on the Caspian Sea.

ANSWER: **Baku** [or **Bakı**] (It is the capital of Azerbaijan.)

[10m] Ardashir I built the Maiden Castle near Shirâz in this Iranian province where the Sasanians originated. This province contains the ruins of Pasargadae, Naqsh-e Rostam, and Persepolis.

ANSWER: **Fars** [or **Pars**; or Ostân-e **Fârs** or Ostân-e **Pârs**; accept **Pârsa** or **Persis**; prompt on **Persia**; reject “Parthia” or “Parthava”] (It is the origin of the names “Persia” and “Fârsī.” The Persian name for the building is Qal'eh-i Dukhtar.)

<Geography>

The following bonus may be read to any team.

8. *Specific term required.* A 2021 Giorgio Agamben book titled for these locations analyzes the shoes in *The Arnolfini Portrait* to show how art conveys its own limits. For 10 points each:

[10h] Name these places. A reconstructed Mannerist example of these places in the Palazzo Vecchio includes paintings of slave labor in Potosí and Bisnagar alongside depictions of Pliny's *Natural History* by Alessandro Allori.

ANSWER: **studiolo** [or **studioli**; prompt on private **rooms**; prompt on, BUT DO NOT REVEAL, **cabinets** of curiosities; reject “studios”]

[10e] Due to its ambers and pearls, Francesco I's *studiolo* is often described as one of these Renaissance-era places. Oddities like narwhal tusk, automata, and exotic porcelain were often collected in these locations.

ANSWER: **cabinet** of **curiosities** [or **cabinet** of **curiosity**; or **Wunderkammer** or **Kunstkammer**; prompt on **cabinets**]

[10m] Lorenza Costa finished a depiction of *The Reign of Comus* done by Andrea Mantegna for the the Mantuan *studiolo* of this artistic patron, who is likely depicted wearing a *balzo* in a portrait by Titian.

ANSWER: **Isabella d'Este** [prompt on **Isabella** or **d'Este**]

<Painting & Sculpture>

The following bonus may be read to any team.

9. A volume edited by David E. White identifies “what was African” about this city’s theologians Tertullian and Cyprian, who possibly had Amazigh ancestry. For 10 points each:

[10e] What rebuilt Tunisian city presided over the Diocese of Africa for centuries after it was destroyed in the Third Punic War?

ANSWER: **Carthage** [or **Carthāgō** or **Karkhēdōn** or **Qart-hadašt**; accept Archdiocese of **Carthage** or Archidioecesis **Carthaginensis**; prompt on **Tūnis**]

[10m] Caecilian’s election as archbishop of Carthage caused a schism with this African sect, which forbade sacraments from sinful priests, like the Great Persecution’s *traditores*. Honorius declared it a heresy in 405.

ANSWER: **Donatism** [or **Donatists** or **Donatismus**; accept **Donatist** heresy or **Donatist** controversy]

[10h] This Numidian student of Arnobius urged *patientia* toward sects like Donatism. Humanists dubbed this apologist the “Christian Cicero” for his *Divine Institutes* and a poem that codified the phoenix myth as a Christian allegory.

ANSWER: **Lactantius** [or Lucius Caecilius Firmianus **Lactantius**; or Lucius Caelius Firmianus **Lactantius**] (Patientia is often translated as “forbearance.” The *Carmen de ave phoenice* attributed to Lactantius is often interpreted as an allegory of Christ and was reworked into a more overtly religious Old English poem.)

<Other History>

The following bonus may NOT be read to Georgia State A.

10. This effect is the opposite of the Barnett effect, which was also first experimentally detected in 1915. For 10 points each:

[10h] Name this effect in which an axial magnetic field applied to a ferromagnetic cylinder creates a change in magnetic moment, and thus rotates the cylinder.

ANSWER: **Einstein–de Haas** effect

[10e] The Einstein–de Haas effect is a result of this conservation law, which Noether’s (“NUR-tur’s”) theorem links to rotational invariance. This conservation law means that if the moment of inertia decreases, angular velocity increases.

ANSWER: conservation of **angular momentum** [accept conservation of **rotational momentum**; reject “(conservation of) momentum”]

[10m] Using the Einstein–de Haas effect, one can experimentally determine this dimensionless value. For an electron, this quantity’s absolute value is roughly 2.002 due to the anomalous magnetic dipole moment.

ANSWER: **g**-factor [accept **Landé** g-factor]

<Physics>

The following bonus may NOT be read to Claremont A.

11. This author used words like “onyx” and “ptyx” in his “Sonnet en -yx (“eeks”).” For 10 points each:

[10e] Name this French Symbolist poet. He wrote “These nymphs, I would perpetuate them” to open his pastoral poem “The Afternoon of a Faun.”

ANSWER: Stéphane **Mallarmé** [or Étienne **Mallarmé**]

[10m] *Two answers required.* Mallarmé’s “sonnets of homage” include two poems titled for the “tomb” of these two writers. One of these authors introduced the other, an American, to European audiences with French translations of stories such as “Manuscript Found in a Bottle.”

ANSWER: Edgar Allan **Poe** AND Charles **Baudelaire** [accept answers in either order]

[10h] Mallarmé left over 200 pages of notes for the tomb of a person of this name, his eight-year-old son who died of rheumatism. A French author with this first name wrote the poetry collection *The Bride of Corinth*.

ANSWER: **Anatole** [accept **Anatole** France or François-**Anatole** Thibault; prompt on **François**; accept *For Anatole’s Tomb* or *A Tomb for Anatole*]

<European Literature>

The following bonus may be read to any team.

12. One of the first professional composers of this ethnicity, Quddus Khojamyarov (“KOO-doose khoh-jam-yah-ROFF”), adapted a traditional tale into the 1956 opera *Nazugum*. For 10 points each:

[10e] Name this ethnicity whose musical tradition has distinct styles named for Hami and Turpan, two cities in Xīnjiāng (“sheen-j’YANG”).

ANSWER: **Uyghurs** (“WEE-gurs”)

[10h] Some of Khojamyarov’s works incorporate parts of 12 suites of this name that form a core of the Uyghur musical tradition. Azerbaijani music uses mode-like systems with a similar name, which are generally more improvisational.

ANSWER: **muqams** [or **mugams** or **mughams**; accept Twelve **Muqams**; reject “maqam”]

[10m] Muqam performer Sanubar Tursun was formerly a judge on a Uyghur-language version of *The Voice* named for this place. Mugham singers have been part of an ensemble named for this place whose artistic director is now Rhiannon Giddens.

ANSWER: **Silk Road** [accept *The Voice of the Silk Road* or **Silkroad** Ensemble; accept **Yipek Yoli Sadasi**]

<Other Fine Arts>

The following bonus may be read to any team.

13. This thing titles an apocalyptic late career painting by J. M. W. Turner depicting the Archangel Michael with his flaming sword, a mournful Adam and Eve, and Judith and Holofernes. For 10 points each:

[10h] Name this thing that also titles Anthony Bailey's biography of Turner. According to John Ruskin, Turner said that this thing "is God" when he was on his deathbed.

ANSWER: the **Sun** [accept *The Angel Standing in the **Sun***; accept *Standing in the **Sun**: A Life of J.M.W. Turner*]

[10e] Turner's fragmentary poem *The Fallacies of Hope*, which describes the "angry setting sun and fierce-edged clouds," was shown alongside this painting. A massacre on the *Zong* inspired this abolitionist painting.

ANSWER: *The **Slave Ship*** [accept ***Slavers Throwing overboard the Dead and Dying—Typhon coming on***]

[10m] Turner described how a man "look'd on the sun with hope" in verses accompanying his painting of this action. Paul Delaroche ("duh-lah-ROASH") painted a realistic depiction of this action, in contrast to the five idealized portraits at places like Malmaison ("mahl-meh-ZAWN") and Charlottenburg.

ANSWER: **crossing** the **Alps** [accept Napoleon **crossing** the **Alps**; accept Hannibal **crossing** the **Alps**; prompt on military **expeditions** or equivalents; prompt on **horse** riding or equivalents; prompt on **crossing** a mountain range or equivalents]

<Painting & Sculpture>

The following bonus may be read to any team.

14. This president appointed the 2003 Stasi Commission to investigate a ban on displays of religious affiliation in schools and coalesce around the policy of *laïcité* ("lye-EE-see-tay"). For 10 points each:

[10e] Name this president who first banned Muslim girls from wearing headscarves in schools and earlier served as prime minister in a "cohabitation" with the rival Socialist Party.

ANSWER: Jacques **Chirac** [or Jacques René **Chirac**]

[10m] *Original-language term required.* Chirac declared a state of emergency in 2007 over riots in Clichy-sous-Bois ("CLEE-shee soo BWAH"), one of these undefined areas surrounding Paris. They stereotypically house poor households and Muslim immigrants from North and West Africa.

ANSWER: **banlieues** ("BAHN-l'yoo") [or **banlieux**]

[10h] This feminist activist group supported the headscarf bans. It was founded by Samira Bellil to advocate for the rights of women in the *banlieues* and was led by Fadela Amara, who would later become Nicolas Sarkozy's minister of urban policy.

ANSWER: **Ni Putes ni Soumises** [or **Neither Whores nor Doormats**; accept **NPNS**]

<European History>

The following bonus may be read to any team.

15. Christopher P. Atwood recently translated five Chinese sources on the rise of this empire, whose origins were traced in the “Precious Summary” of the 17th-century Ordos prince Saghang Sechen. For 10 points each:

[10e] Name this medieval empire whose shamanistic “Secret History” was elaborated by chronicles like the *Altan Tobchi* of the “Buddhist Renaissance.”

ANSWER: **Mongol** Empire [or Yeke **Monggol** Ulus; accept **Yuán** dynasty, Great **Yuán**, Dà **Yuán**, **Yuán**cháo, Dai **Ön** ulus, or Yeke **Yuwan** Ulus; accept *Secret History of the Mongols*, *Monggol-un niguca tobciyan*, *Secret History of the Yuán*, *Yuán mishī*, or *Yuáncháo mishī*; accept *The Rise of the Mongols: Five Chinese Sources*]

[10m] Rashīd al-Dīn’s canonical Mongol history drew on Juvaynī’s *History of the World Conqueror*, which portrays this sect as heretical and praises Hulagu’s campaigns against it in Qazvīn.

ANSWER: **Isma‘īlism** [or al-’**Isma‘īliyah**; accept **Nizaris** or al-**Nizāriyyūn**; prompt on **Shī‘a** or **Shī‘ism** or **Shī‘ites**; prompt on **Assassins** or **Hashshāshīyīn** or **Hashhāshīn** by asking “what sect did their order belong to?”]

[10h] This author from Zengid Mosul documented the Mongol invasion of Khwarezmia in his *Kāmil*, a universal Islamic history. He built on Ibn al-Qalānisi’s *Damascus Chronicle* of the first two crusades and witnessed the third.

ANSWER: **Ibn al-Athīr** [or ‘Alī ‘Izz ad-Dīn **Ibn al-Athīr** al-Jazarī; or Abū al-Ḥasan ‘Alī ibn Muḥammad **ibn Muḥammad ash-Shaybānī**; prompt on al-**Jazarī** or **ibn Muḥammad**]

<World History>

The following bonus may be read to any team.

16. Emily Bender disparagingly refers to these systems as “stochastic parrots.” For 10 points each:

[10m] Name these computational systems whose hallucinations can be mitigated by supplementing their knowledge base with external information. Generative pretrained transformers are a class of these systems.

ANSWER: **large language models** [or **LLMs**; prompt on **language models** or **autoregressive language models**]

[10e] Large language models, or LLMs, can accomplish a wide variety of tasks within this field. This interdisciplinary branch of computer science analyzes text and speech.

ANSWER: **NLP** [or **natural language processing**]

[10h] At NeurIPS (“nur-ips”) 2020, Brown et al. presented their work showing that LLMs perform well on this type of learning task. This type of task restricts a pretrained model to a limited number of examples.

ANSWER: **few-shot** learning [accept **one-shot** learning; reject “no-shot learning” or “zero-shot learning”]

<Other Science>

The following bonus may NOT be read to Berkeley A.

17. One of these events is accompanied by the cawing of crows, which reminds a character of the vow he made by writing a note in his own blood. For 10 points each:

[10m] Name this type of event that occurs next to a palm tree and a pine growing out of the same trunk.

ANSWER: **love suicides** [or **double suicides**; or **shinjū**; prompt on **suicide** or **death**]

[10e] Love suicides occur at Amijima and Sonezaki in two of Chikamatsu Monzaemon’s plays in this genre of Japanese puppet theater.

ANSWER: **bunraku**

[10h] In this Chikamatsu love suicide play, Chūbei uses customers’ money to buy out the courtesan Umegawa’s contract, but must flee Osaka with her when he breaks the seal on 300 gold pieces belonging to a samurai.

ANSWER: *The **Courier for Hell*** [or *The **Courier of Hell***; or ***Meido no hikyaku***]

<World Literature>

The following bonus may be read to any team.

18. Irish beef farmers protested lowering tariffs from this bloc, which failed to solve an internal dispute over pulp mills supported by Frente Amplio in 2006. For 10 points each:

[10m] Name this counterpart of the Asian-oriented “Pacific pumas.” In 2023, Bolivia became a full member of this regional trade bloc amid negotiations with the EU over its customs union’s common external tariff.

ANSWER: **Mercosur** [or **Southern Common Market**, **Mercado Común del Sur**, **Mercado Comum do Sul**, or **Ñemby Ñemuha**] (The “Pacific pumas” comprise Mexico, Chile, Colombia, and Peru.)

[10h] *Regulatory term required.* EU “mirror clauses,” like those restricting pesticides from this group, are a sticking point in the Mercosur negotiations. The Stockholm Convention regulates the “dirty dozen” classes of these PBTs.

ANSWER: **Persistent Organic Pollutants** [or **POPs**; prompt on persistent chemicals or persistent, bioaccumulative, and toxic substances or word forms; prompt on organic pollutants or carbon-based pollutants or equivalents]

[10e] The EU deal struggles to limit deforestation from Mercosur’s POP-dependent Amazonian monocultures of this crop, which is exported to China to make textured vegetable protein.

ANSWER: **soybeans** [or **soya** beans; or **Glycine max** or **G. max**; accept Amazon **Soy** Moratorium; prompt on beans or legumes]

<Current Events>

The following bonus may be read to any team.

19. In 2020, archaeologists in the Negev excavated an ancient “factory” that manufactured this product using saltwort in a process similar to that described by the Ebers Papyrus. For 10 points each:

[10h] Name this product whose early “soft” varieties in Mesopotamia incorporated *naga* from burnt sapphire plants.

ANSWER: **soap** [accept soft **soaps**; prompt on cleaning products or equivalents; prompt on detergents, disinfectants, surfactants, antiseptics, germicides, or word forms or equivalents of any]

[10m] An ancient soap made with laurel oil is nicknamed for this city, which was the seat of Amorite Yamhad. 2012 shelling damaged the ancient citadels of both this city and a [emphasize] *different* nearby city that names an ancient Wootz steel.

ANSWER: **Aleppo** [or **Halab**; accept **Aleppo** soap] (The other city is Damascus.)

[10e] Šuppiluliuma I created a viceroyalty in Aleppo during this culture’s New Kingdom. This culture’s cuneiform writings include unusually strict bodily purification rituals and the Treaty of Kadesh with Egypt.

ANSWER: **Hittites** [or **Hatti** or **ha-at-ti**; accept **Hittite** Empire or **Hittite** New Kingdom; accept **Hattuša**, **Hattušaš**, **Hattusha**, or **Ha-at-tu-ša**; accept **Nesilim**, **Nišili**, **Neshites**, **Nessites**, or **nešumnili**]

<Other History>

The following bonus may be read to any team.

20. Modifying a clade with this term may be done to include organisms that once shared a classification but have since been moved elsewhere. For 10 points each:

[10h] Give this Latin term that denotes the broad conception of a taxon, as opposed to its rigid definition. When used with species, this term denotes the complex of organisms that are indistinguishable from it.

ANSWER: **sensu lato** [or **s.l.**; accept **sensu amplo**] (The narrower conception is *sensu stricto*.)

[10e] *Sensu lato* can be used to include extinct relatives in a group, like how *Aves s.l.* includes these ancestors. Theropods are examples of these animals with bird-like hips.

ANSWER: non-avian **dinosaurs**

[10m] Dinosaurs are the stem group of this clade, which is the crown group joining living birds and the crocodylians.

ANSWER: **archosaurs** [or **Archosauria**]

<Biology>

The following bonus may NOT be read to Iowa State A.

21. Name these locations of Mormon enclaves around the world, for 10 points each.

[10e] Numerous colonies were founded by both Mormons and Mennonites around the Sierra Madre in this Mexican state, which names a dog breed.

ANSWER: **Chihuahua** [or Free and Sovereign State of **Chihuahua**; or Estado Libre y Soberano de **Chihuahua**; accept **chihuahuēño**]

[10m] The first LDS temple outside the US was built east of this national park in the town of Cardston, whose large Mormon population prohibited alcohol until 2023. This Alberta park is south of Jasper and Banff and across the border from Glacier.

ANSWER: **Waterton** Lakes [or **Waterton** Lakes National Park; accept **Waterton**–Glacier International Peace Park; accept **Kootenay** Lakes Forest Reserve]

[10h] Immigrants from this country, which is about 20 percent Mormon, founded Utah restaurants that serve turkey tails. A medieval king of this country is credited with building a trilithon resembling Stonehenge at his royal *heketā*.

ANSWER: **Tonga** [or Kingdom of **Tonga** or Puleʻanga Fakatuʻi ʻo **Tonga**; accept Tuʻi **Tonga** Empire or **Tongan** Empire] (The trilithon is the Haʻamonga ʻa Maui.)

<Geography>