

## TIEBREAKER TOSSUPS

**INSTRUCTIONS:** If a replacement bonus needs to be read, ask the teams which, if any, of the replacement tossups they have heard previously, if any. *Then, choose at random a replacement tossup to read to them.*

**In 1998, X-ray studies showed a painting in this color originally had a composition of mother and child underneath. This color represents concentric movement and spirituality according to “On the Spiritual in Art.” In São Paulo in 2009, a portrait in this color of Suzanne Bloch was stolen. (\*) *The Death of Casagemas* commemorates an event that inspired a time period of this color, which titles a painting showing a man on a horse in a green field that gave its name to an art movement. For 10 points, *The Old Guitarist* was painted during a Picasso period named for what color?**

ANSWER: blue [or bleu]

**This philosopher argued that “cogito ergo sum” made no sense after the “turn” in philosophy brought about by Kant and used the word “discourse” to designate a mode of speaking pertaining to unconscious rules that determine conceptual possibilities possible within an era. This philosopher initially used (\*) “archaeological” methods to analyze the *epistemes* of given periods, but later used a method of “genealogy” which he employed to analyze the shift away from torture and execution in prisons. For 10 points, identify this author of *The Order of Things* and *Discipline and Punish*.**

ANSWER: Michel Foucault

**Observed values of the electric dipole moment constrain the extent of *this phenomenon* in the strong force. Proposed axioms in QCD would allow this phenomenon, which requires that matrices describing some particle oscillations be complex. (\*) Baryogenesis requires this phenomenon to occur, since created baryons would otherwise annihilate each other; thus, it may explain why matter dominates antimatter in the universe. Cronin and Fitch observed - for 10 points - what this phenomenon in which particles are asymmetric in charge and parity?**

ANSWER: CP violation

**In a novel by this author, episodes detailing experiences in Amazonia and the Congo lead up to Roger Casement’s involvement in the Easter Rising. A novel by this author opens with a New York lawyer returning to her home country after emigrating 35 years prior. This author of (\*) *The Dream of the Celt* fictionalized the assassination of Rafael Trujillo in one novel, and wrote another about the incest of an employee of Radio Panamericana. *The Feast of the Goat* is by - for 10 points - what Peruvian author of *Aunt Julia and the Scriptwriter*?**

ANSWER: Mario Vargas Llosa [prompt on partial answer]

**During the rule of this English king, the Wonderful Parliament forced him to dismiss his Chancellor; later, at the Merciless Parliament, that man, Michael de la Pole, was sentenced to death by the Lords Appellant. Simon Sudbury served as this ruler’s Archbishop of Canterbury before he was beheaded. (\*) John Ball, Jack Straw, and Wat Tyler led an uprising of peasants against this ruler. A man born at Bolingbroke Castle deposed - for 10 points - which son of Edward the Black Prince, a Plantagenet who was overthrown and succeeded by Henry IV?**

ANSWER: Richard II

## REPLACEMENT BONUSSES

**INSTRUCTIONS:** If a replacement bonus needs to be read, ask the team which of the replacement bonuses they have heard previously, if any. *Then, choose at random a replacement bonus to read to them.*

This god, who presided over the city of Nippur, was the only deity who was able to reach the supreme god of heaven, Anu, and thus held sway over the other deities. For 10 points each:

[10] Identify this Mesopotamian god of wind who attempted to wipe out humanity with a great flood.

ANSWER: **Enlil**

[10] When he was young, Enlil was banished to this place, which was called Irkalla in Mesopotamian myth and was ruled over by Ereshkigal. The Greek version of this location was ruled by Hades.

ANSWER: the **underworld**

[10] Enlil had been banished for seducing Ninlil, a tryst that resulted in the birth of this deity. The Great Ziggurat of Ur was dedicated to this deity, who had a great beard of lapis lazuli and rode around on a bull.

ANSWER: **Sin** [or **Nanna**]

This variable is dimensionless and only changes with the size of the system. For 10 points each:

[10] Identify this variable, which is the thermodynamic conjugate of the chemical potential of a system. This variable is typically measured in moles.

ANSWER: **number** of particles [or clear equivalents like **number** of species, atoms, etc; prompt on **n**]

[10] This equation relates the infinitesimal change in chemical potential for a given number of particles to the change in a system's pressure and temperature.

ANSWER: **Gibbs-Duhem** equation

[10] The Gibbs-Duhem equation can be used to evaluate these values for volatile liquid mixtures. These dimensionless values, which account for non-ideal behavior, can be found using the Debye-Huckel equation.

ANSWER: **activity coefficients**

Answer the following about the religious history of Münster, for 10 points each.

[10] Münster took its name from one of these religious institutions, which produced most illuminated manuscripts. Henry VIII expropriated their wealth in England.

ANSWER: **monasteries**

[10] Münster witnessed a famous revolt by members of this religious group, who proclaimed the city a "New Jerusalem. and burned all books except the Bible. Other leaders of this group included Menno Simons.

ANSWER: **Anabaptists**

[10] The Münster Rebellion was led by this man, who sent for Jan Matthys to come to the city. After Matthys' death, this man became King of Münster until his capture and death in 1536.

ANSWER: **John** of **Leiden** [or **Jan van Leiden**; or **Jan Beukelszoon**; or **John Bockold**; or **John Bockelson**]

Answer some questions about literature exploring the lives of Cossacks, for 10 points each.

[10] This epic novel explores the struggles of Cossacks during the Russian Revolution, World War I, and the Russian Civil War, all of which tear apart the life of Grigory Melekhov.

ANSWER: *And **Quiet Flows the Don*** [accept similar translations like *The **Quiet Don*** and *The **Silent Don***, as well as the original Russian title, ***Tikhiv Don***]

[10] The title character of this Nikolai Gogol novel is an old Cossack whose sons, Andriy and Ostap, join him in going to war against Poland.

ANSWER: **Taras Bulba**

[10] This author wrote a short story titled *The Cossacks* but is probably better known for *War and Peace*.

ANSWER: Leo **Tolstoy**

(MSU SITE ONLY) REPLACEMENT TOSSUPS TO READ TO IKE JOSE'S ROOM IN ROUNDS 5 AND 8  
(NON MSU SITE) DO NOT USE THESE QUESTIONS AS TIEBREAKS UNLESS NECESSARY

*To be read in place of the tossup marked in red in Packet 5:*

**The son character's son Jacques enters the Catholic priesthood, and that character adopts a blind girl and purposefully doesn't teach her about sin. Diaries reveal the continuance of love between two childhood cousins named Alice and Jerome in a novel by this author that takes its title from Luke 13:24. A protagonist created by this author travels with his (\*) wife Marceline to Tunis on a honeymoon, during which he lusts after young Arab boys. For 10 points, name this French author of *Straight Is the Gate* and *The Immoralist*.**

ANSWER: Andre Paul Guillaume Gide

*To be read in place of the tossup marked in red in Packet 8:*

**Lineages from this empire's royal line, much like earlier dynasties, continued to rule the province of Magadha after its disintegration. The richest additions to the Ajanta caves show the court life of this empire's golden age, presided over by a ruler nicknamed Vikramaditya. Procopius' writings help identify the nomadic (\*) Hephthalites with a people who overran this empire, the Hunas or "White Huns." Kalidasa is thought to have lived during - for 10 points - what greatest Indian empire from 4th to 6th century CE, a state founded by Chandra I?**

ANSWER: Gupta empire