

ONLINE QUIZ LEAGUE
INTERNATIONAL CULTURE
CHALLENGE

SEASON NINE
WEEK EIGHT QUESTIONS
FOR TIERS 1–8
(Matches 615–646)

QUESTIONS BEGIN ON THE NEXT PAGE

Tie-break questions are found after the main quiz
Ties affecting SECOND only need to be broken

Spares are found after the tie-break questions

Please check with the players that they are expecting the
International Culture Challenge HIGHER TIER questions to
ensure you are reading the correct set for your match.

ROUND ONE

PLAYER ONE

QUESTION ONE

In 1961, **which Central Asian city** was named Tselinograd, from the Russian for ‘city of virgin lands’? In 1991, when Kazakhstan declared independence, this city’s name was changed to Akmola, and it has also been named Nur-Sultan after President Nursultan Nazarbayev [nur-sul-TAHN nah-zar-BYE-ev].

ANS: Astana

Mandarin: Āsītǎnà

QUESTION TWO

The Chinese emperor Kangxi gives his name to the authoritative Chinese dictionary, and his reign also saw the end of the Tungning dynasty’s control over Taiwan. That dynasty had been founded by **which Southern Ming general** who had seized control of the island from the Dutch shortly before his death in 1662?

ANS: Koxinga or Zhèng Chénggōng (accept Zheng **Sēn**, **Míngyǎn**, **Dànmù**)

QUESTION THREE

Tanzimat was a period of legal, military, tax and social reforms in **which major empire** in the 19th century? They were built upon the reforms of Sultan Mahmud II, whose reign had seen the disbandment of the janissary corps and the Greek War of Independence.

ANS: Ottoman Empire

Danish: Det **Osmanniske** Rige,
Osmannerriget

Dutch: **Ottomaanse** Rijk, **Osmaanse** Rijk

French: Empire **ottoman**

German: **Osmanisches** Reich,
Ottomanisches Reich

Mandarin: Ètúmàn dìguó

Norwegian: Det **osmanske** rike, Det
ottomanske rike

Polish: Imperium **Osmańskie**

Romanian: Imperiul **Otoman**

Swedish: **Osmanska** riket, **Ottomanska**
riket

PLAYER TWO

QUESTION ONE

The Pacific Plate and its surrounding tectonic plates, such as the Nazca and Australian plates, comprise the largest active zone of **which geological plate tectonic process** that occurs at convergent boundaries? Within this region, this led to the formation of the “Ring of Fire”.

ANS: subduction (accept subduction zone)

Danish: subduktion

Dutch: subductie

German: Subduktion

Mandarin: yǐnmò zuòyòng

Norwegian: subduksjon

Polish: subdukcja

Romanian: subducție

Swedish: subduktion

QUESTION TWO

There are two books of the Bible that are considered canonical but have Greek additions that are considered apocryphal by Protestants. They are the Book of Daniel and **which other book** that is set in Persia during the reign of Ahasuerus[uh-haz-yoo-EER-us] and involves the plot of Haman to kill the Jews? This book’s title character is the subject of a play by Jean Racine and poetry by Lucrezia Tornabuoni [loo-KRETS-yah tor-nah-BWOH-nee] and Christina Rossetti.

ANS: Book of Esther

Danish: Esters Bog

Dutch: Ester

French: Livre d'Esther

German: Buch Ester

Mandarin: Yísitiē jì, Àisīdé'ěr chuán

Norwegian: Esters bok

Polish: Księga Estery, Estera

Romanian: Estera

Swedish: Esters bok

QUESTION THREE

Oshima is a 21-year-old gay trans man, haemophiliac, and librarian who becomes the mentor to the title character in **which Japanese novel?**

ANS: Kafka on the Shore (or Umibe no Kafuka by Haruki Murakami)

Danish: Kafka på stranden

Dutch: Kafka op het strand

French: Kafka sur le rivage

German: Kafka am Strand

Mandarin: Hǎibiān de Kǎfūkǎ

Norwegian: Kafka på stranden

Polish: Kafka nad morzem

Romanian: Kafka pe malul mării

Swedish: Kafka på stranden

PLAYER THREE

QUESTION ONE

Clement Greenberg was an essayist and art critic closely associated with the abstract expressionist movement. Among the artists he promoted included a ‘golden couple’ of Helen Frankenthaler and **which artist**, her then husband, known for his largely black-and-white series of *Elegies to the Spanish Republic*?

ANS: Robert **Motherwell**

Danish: Luóbótè·**Mǎsèwéiěr**

QUESTION TWO

The Eleusinian [el-yoo-SIN-ee-un] Mysteries were annual initiation rites held in the city of Eleusis as part of a cult to Persephone and **which other goddess**, her mother?

ANS: **Demeter** (accept **Deo**)

French: **Démeter**

Mandarin: **Démòtèěr**

Polish: accept **Demetra**

Romanian: **Demetra**

QUESTION THREE

Blue holes are marine sinkholes that typically appear in limestone bedrock. The most famous example is the Great Blue Hole, which is found along the coast of **which country**? It is found in this country’s namesake barrier reef.

ANS: **Belize**

Mandarin: **Bólìzī**

PLAYER FOUR

QUESTION ONE

Some plants, such as many species of legume, have symbiotic relationships with bacteria that contribute to the 'fixation' of **which chemical element**? That process involves converting the molecular form of this element, which forms about 78% of Earth's atmosphere, into compounds that can be processed by the plant.

ANS: nitrogen

Danish: **kvælstof**

Dutch: **stikstof**

French: **azote**

German: **Stickstoff**

Mandarin: **dàn**

Norwegian: **kvelstoff**

Polish: **azot**

Romanian: **azot**

Swedish: **kväve**

QUESTION TWO

Which director made the hour-long completely silent documentary *Hotel Monterey* while in a short self-imposed exile in New York? Shortly after returning home she made *Je Tu Il Elle*, one of several films dealing with lesbian identity.

ANS: Chantal Akerman

Mandarin: Xiāngtèěr·**Ākèmàn**

QUESTION THREE

Bloch's theorem states that Bloch functions serve as a basis for **what function in quantum mechanics**? In an antiquated interpretation of quantum mechanics, a phenomenon named after this quantity is caused by consciousness.

ANS: wavefunction (accept **wavefunction** collapse)

Danish: **bølgefunktion**

Dutch: **golffunctie**

French: **fonction d'onde**

German: **Wellenfunktion**

Mandarin: **bō hánshù**

Norwegian: **bølgefunksjon**

Polish: **funkcja falowa**

Romanian: **funcție de undă**

Swedish: **vågfunktion**

ROUND TWO

PLAYER ONE

QUESTION ONE

Orlando Gibbons and Carlo Gesualdo [je-zoo-AL-do] were leading exponents of **what form of composition**: short secular unaccompanied polyphonic choral music popular from the 15th to 17th centuries? Thomas Weelkes wrote a piece in this genre, *As Vesta was from Latmos Hill Descending*, in honour of Elizabeth I of England.

ANS: madrigal

Dutch: madrigaal
Mandarin: mùgē

Polish: madrygał

QUESTION TWO

Subduction occurs when **what rocky portion of the Earth**, a shell consisting of the crust and uppermost parts of the mantle, is recycled into the underlying asthenosphere? When the oceanic part of this structure is subducted under the continental part, it forms a volcanic continental arc, such as along the coast of Chile.

ANS: lithosphere

Danish: lithosfære
Dutch: lithosfeer, steenschaal
French: lithosphère
German: Lithosphäre
Mandarin: yánshí quān

Norwegian: litosfære
Polish: litosfera, sklerosfera
Romanian: litosferă
Swedish: litosfär

QUESTION THREE

Which legendary Greek musician and poet was the subject of a cult whose members may have included Pythagoras? That religion may have developed from the Dionysian Mysteries although this hero, who travelled with the Argonauts, is generally more associated with Apollo.

ANS: Orpheus

Danish: Orfeus
French: Orphée
Mandarin: Ēěrfūsi
Norwegian: Orfeus

Polish: Orfeusz
Romanian: Orfeu
Swedish: Orfeus

PLAYER TWO

QUESTION ONE

1960 was dubbed the 'Year of Africa' with all remaining French colonies gaining independence. In August of that year, David Dacko became the first president of **which country?** He resumed the role in 1979 after French forces removed Jean-Bédél Bokassa from power.

ANS: Central African Republic

Danish: Centralafrikanske Republik
Dutch: Centraal-Afrikaanse Republiek
French: République centrafricaine,
Centrafrique, RCA
German: Zentralafrikanische Republik,
ZAR

Mandarin: Zhōng Fēi Gònghéguó
Norwegian: Den sentralafrikanske republikk
Polish: Republika Środkowoafrykańska
Romanian: Republica Centrafricană
Swedish: Centralafrikanska republiken

QUESTION TWO

The Bolshevik Pavel Poltoratskiy [PAH-vel pol-toh-RAT-skee] gave his name to Poltoratsk, an old name for **which Asian city?** While Poltoratskiy was mostly active in Uzbekistan, he was from near this city, the capital of Turkmenistan.

ANS: Ashgabat

Danish: Asjkhabad
Dutch: Asjchabad
French: Achgabat, Achkhabad
German: Aşgabat, Aschgabat
Mandarin: Āshénhǎbādé

Norwegian: Asjkhabad
Polish: kras, krasowienie
Romanian: Aşgabat
Swedish: Achkhabad, Asigabat

QUESTION THREE

Although he was born in Lithuania, **which filmmaker** has been called 'the godfather of American avant-garde cinema' for his role in supporting many important American experimental filmmakers, although he has also been criticised as a Nazi apologist? Most of his films are very short diary films, made with his beloved Bolex camera, although he documented a return trip to his home in the longer *Reminiscences of a Journey to Lithuania*.

ANS: Jonas Mekas

Mandarin: Yuēnásī·Méikǎsī

PLAYER THREE

QUESTION ONE

Mind-body dualism is closely associated with René Descartes who held that the physical body and the nonphysical mind are composed of distinct types of substance connected by **which specific part of the brain?**

ANS: pineal gland (or **epiphysis** cerebri)

Danish: **koglekirtel, epifysen**

Dutch: **pijnappelklier, epifyse**

French: glande **pinéale, épiphyse**

German: **Zirbeldrüse**, Glandula **pinealis**, **Epiphyse**

Mandarin: **sōng guǒ tǐ, sōng guǒ xiàn, nǎo shàng tǐ**

Norwegian: **konglekjertel, epifysen, pinealorganet**

Polish: **szyszynka**

Romanian: **epifiza**, glanda **pineală**

Swedish: **tallkottkörteln, epifysen**

QUESTION TWO

Biological nitrogen fixation involves the nitrogenase enzyme converting atmospheric nitrogen into **which molecule with formula NH₃?** The Haber process also converts atmospheric nitrogen into this compound, and is essential in the production of many fertilisers.

ANS: ammonia

Danish: **ammoniak**

Dutch: **ammoniak**

French: **ammoniac**

German: **Ammoniak**

Mandarin: **ān, ān qì, wúshuǐ ān, āmóníyǎ**

Norwegian: **ammoniakk**

Polish: **amoniak**

Romanian: **amoniac**

Swedish: **ammoniak**

QUESTION THREE

Some sources state that the Kangxi Emperor chose Yongzheng as his successor to bring **which of his grandsons** to the throne? This man restricted western trade by implementing the Canton system, and he abdicated in 1796 so as not to reign longer than his grandfather.

ANS: Qianlong Emperor or **Qiánlóng** Dì (accept Míng **Hóngli**, **Gāozōng**)

French: accept **Kien-long**

PLAYER FOUR

QUESTION ONE

In 1858, the Tanzimat introduced a secular law code based on the Napoleonic Code to replace **what body of religious law in Islam?**

ANS: Sharia (or Sharī'ah)

French: charia

German: Scharia

Mandarin: Shālǐyǎ, Yísilán jiào fǎ, Huí jiào fǎ

Polish: szariat

Romanian: Şaria

QUESTION TWO

Deuterocanonical books are those which are considered canonical by the Catholic and Orthodox churches but not by Protestants. **Which Deuterocanonical book** concerns a pious blind man from Nineveh? This book is often read during weddings, and was depicted in a series of paintings by Rembrandt.

ANS: Book of Tobit

Danish: Tobits Bog

Dutch: accept Tobia

French: Livre de Tobie

German: Buch Tobit, Tobias, Tob

Mandarin: Duōbǐyà chuán

Norwegian: Tobits bok

Polish: Księga Tobiasza, Księga Tobita

Romanian: Cartea lui Tobit, Cartea lui Tobie

QUESTION THREE

Almost certainly based on Oscar Wilde, the hedonistic Ménélaque acts as a mentor to young men in several works by **which Nobel Prize-winning author?** Ménélaque first appeared in this man's prose-poem *Les nourritures terrestres* (*The Fruits of the Earth*).

ANS: André Gide

Mandarin: Āndéliè·Jidé

ROUND THREE

PLAYER ONE

QUESTION ONE

Many fertilisers are labelled NPK in reference to the three main macronutrients they contain. N, P and K are the chemical symbols for those elements: nitrogen, phosphorous, and **which other**?

ANS: potassium

Danish: kalium

Dutch: kalium

German: Kalium

Mandarin: Jiǎ

Norwegian: kalium

Polish: potas

Romanian: potasiu, kaliu

Swedish: kalium

QUESTION TWO

Which country gained independence on 1 January 1960 under Ahamdou Ahidjo? Ahidjo is one of only two presidents of this country, as his successor, Paul Biya, has held the role since 1982.

ANS: Cameroon

Danish: Cameroun

Dutch: Kameroen

French: Cameroun

German: Kamerun

Mandarin: Kāmàilóng

Norwegian: Kamerun

Polish: Kamerun

Romanian: Camerun

Swedish: Kamerun

QUESTION THREE

Although Clement Greenberg had promoted her in her early career, **which artist** was prompted to create her *Umber Series* after she was excluded from one of the critic's exhibitions? Working at night due to her insomnia led her to shift from bright colours to muted hues.

ANS: Lee Krasner (or Lena Krassner, Lenore Krasner)

Mandarin: Lǐ·Kèlāsīnà

PLAYER TWO

QUESTION ONE

Sima Humboldt and Sima Martel are two enormous sinkholes located on Cerro Sarisariñama [SEH-roh sah-ree-sah-ree-NYAH-mah] in Venezuela. Cerro Sarisariñama is an example of **what type of table-top mountain or mesa** found in Venezuela, Guyana and northern Brazil?

ANS: tepuí (or tepuy)

Mandarin: Tèpǔyī shān

QUESTION TWO

Which composer wrote *Spem in Alium*, a motet in 40 parts, which may have been first performed on Elizabeth I's 40th birthday?

ANS: Thomas Tallis

Mandarin: Tuōmǎsī·Tǎlìsī

QUESTION THREE

The Tanzimat reforms saw the formal recognition of *millet*s, systems of law for minority groups within the Ottoman Empire. **Which ethnic group** was recognised by a national constitution and national assembly in 1863, in which women were given the right to vote? Growing national sentiment among this group led to a series of clashes with the Ottoman state and eventually the genocide of 1915–17.

ANS: Armenians (or Hayer)

Danish: Armeniere
Dutch: Armeniërs, Armenen
French: Arméniens
German: Armenier
Mandarin: Yàměiníyǎ rén

Norwegian: Armenere
Polish: Ormianie
Romanian: Armeni
Swedish: Armenier

PLAYER THREE

QUESTION ONE

Several cities were named in honour of Joseph Stalin and then renamed during de-Stalinisation. Among those is **which city**, the capital of Tajikistan, which was named Stalinabad from 1929 to 1961?

ANS: Dushanbe

Danish: **Dusjanbe**
Dutch: **Doesjanbe**
French: **Douchanbé**
German: **Duschanbe**
Mandarin: **Dùshàngbié**

Norwegian: **Dusjanbe**
Polish: **Duszanbe**
Romanian: **Duşanbe**
Swedish: **Dusjanbe**

QUESTION TWO

Which deuterocanonical book is the longest surviving ‘wisdom book’ and consists of the teachings of a 2nd-century Hellenistic Jewish scribe? The title of James Agee’s book *Let Us Now Praise Famous Men* is taken from a line of this book, which is also the source of the line “Their name liveth for evermore”, commonly found on war memorials.

ANS: Book of Sirach (or **Ecclesiasticus**, **Ben Sira**, The Wisdom of Jesus the Son of **Sirach**, The Wisdom of Jesus son of **Eleazar**; do not accept “Ecclesiastes”)

Danish: **Siraks** Bog
Dutch: Wijsheid van Jezus **Sirach**, De wijsheid van Jezus, de zoon van **Sirach**, Wijsheid van Jozua Ben **Sirach**, Wijsheid van Ben **Sirach**
French: **Siracide**, l'**Ecclésiastique**, Le Livre de **Ben Sira** le Sage
German: Jesus **Sirach**, der **Siracide**, das **Sirachbuch**

Mandarin: **Biàn Xīlā** zhì xùn, **Xīlā** shū, **Dé xùn piān**
Norwegian: **Siraks** bok, Jesu **Siraks** sønns visdom
Polish: Mądrość **Syracha**, **Eklezjastyka**
Romanian: Înțelepciunea lui **Sirach**
Swedish: Jesus **Syraks** vishet

QUESTION THREE

The idea that consciousness causes collapse is generally attributed to **which physicist**? This physicist extended the Schrödinger’s cat thought experiment with a situation in which the namesake observer sees another observer make a quantum measurement.

ANS: Eugene Wigner (accept **Wigner’s** friend experiment)

Mandarin: Yóu jīn·**Wéigénà**

PLAYER FOUR

QUESTION ONE

Which Phrygian mother goddess, who may have originated in Çatalhöyük [CHA-tal-huh-YOOK], was incorporated into Greek and Roman mythology, becoming the subject of cults under the name Magna Mater? The Phrygian orgies to this goddess, whose consort was Attis, involved frantic dancing and ritual mutilation, but they were toned down to suit Greek and Roman sensibilities.

ANS: Cybele (or Matar **Kubileya**, **Kybele**)

French: **Cybèle**

Mandarin: **Kùbǎilēi**

QUESTION TWO

Consciousness-nonconsciousness dualism (the separation of *Purusha* and *Prakriti*) is an important concept in two of the six *āstika* (major orthodox schools) of Indian philosophy. One of those schools is Samkhya, while the other is **which school** that separated from the Samkhya school sometime around the 9th century CE? Patanjali compiled the namesake sutras of this school.

ANS: Yoga

Mandarin: **Yújiā**

Polish: **Joga**

QUESTION THREE

Qianlong accepted **which embassy** from the British, that aimed to establish an island for trading and the end of the Canton system? This embassy was blighted by the failure of the British to kowtow, or bow, to the emperor, and it was followed by the equally unsuccessful Amherst Embassy.

ANS: Macartney Embassy (or Macartney Mission)

Mandarin: **Mǎjiǎěrní** shǐ tuán

There are different words for “Embassy” and “Mission”, but **Macartney** is the same and is what is required.

ROUND FOUR

PLAYER ONE

QUESTION ONE

After having been exiled from Poland for making controversial films like *Trzecia część nocy* (*The Third Part of the Night*), Andrzej Żuławski [AHN-zhey zhoo-WAHF-skee] made **which film** in 1981? It was the only English language film he made, and its spy protagonist and Berlin setting reflect his own experiences with leaving home and divorce.

ANS: Possession

Mandarin: Zháomó
Polish: Opętanie

Romanian: Posedată

QUESTION TWO

Each mentoring the central character and vying for influence over his worldview, the Italian humanist Lodovico Settembrini and the Jewish Jesuit Communist Leo Naphta are characters in **which 1924 German novel?**

ANS: The Magic Mountain or Der Zauberberg by Thomas Mann

Danish: Trolldomsbjerget, Trolldjeldet
Dutch: De Toverberg
French: La Montagne magique
Mandarin: Mó Shān

Norwegian: Trolldomsfjellet
Polish: Czarodziejska góra
Romanian: Muntele vrăjit
Swedish: Bergtagen

QUESTION THREE

Form-matter dualism was influential in the theories of Norbert Wiener when he contrasted 'Manichean devils' with 'Augustinian devils' in developing the 'dualism' of **which transdisciplinary field?** The name of this field, which studies feedback systems where outputs also serve as inputs, was coined by Wiener in a book subtitled *Or Control and Communication in the Animal and the Machine*.

ANS: cybernetics

Danish: kybernetik
Dutch: Cybernetica
French: cybernétique
German: Kybernetik
Mandarin: Kòngzhì lùn

Norwegian: kybernetikk
Polish: cybernetyka
Romanian: cibernetică
Swedish: cybernetik

PLAYER TWO

QUESTION ONE

Both Kangxi and Qianlong [CHYAN-long] took aggressive stances against **what group of Mongols**, who were led by Galdan Khan when they were defeated at the Battle of Jao Modo? Qianlong ordered a genocide of this group after a 1755 revolt led by Amursana.

ANS: Dzungar Mongols (or Junggar, Zunghar, Zöün yar, Züüngar, Eleuths or Ööled)

Danish: Dzungarerne

Dutch: Dzjoengaren, Tsoengaren

French: Dzoungars, Züüngars

German: Dsungarische

Mandarin: Zhǔngá'ěr

Norwegian: Dzungarene, dsongar

Polish: Dżungarii

Romanian: Dzungarilor

Swedish: Dzungarerna

QUESTION TWO

Clement Greenberg curated a 1964 exhibition at LACMA titled 'Post-Painterly Abstraction': a term Greenberg applied to the new movement following Abstract Expressionism. One artist featured in this show was **which painter and sculptor**, known for large arrays of multicoloured rectangles, supposedly inspired by a lifelong birdwatching habit?

ANS: Ellsworth Kelly

Mandarin: Āiěrsīwòsī·Kǎilì

QUESTION THREE

Wavefunction collapse corresponds to the projection of operators to a single subspace in **which 'picture' of quantum mechanics**? In this representation of quantum mechanics, observables rather than states depend on time.

ANS: Heisenberg picture

Mandarin: Hǎisēnbǎo huì jǐng

"Picture" or "representation" varies, but Heisenberg is what is needed

PLAYER THREE

QUESTION ONE

As well as earthquakes and oceanic trenches, subduction zones lead to volcanic belts. Many of the active volcanoes in the Ring of Fire are **what type**, characterised by steep conical profiles and explosive eruptions? Famous examples of this type of volcano include Krakatoa and Vesuvius.

ANS: stratovolcano

Danish: stratovulkan, keglevulkan
Dutch: stratovulkaan
French: stratovolcan, volcan composite
German: Schichtvulkan, Stratovulkan
Mandarin: fùshì huǒshān, Chéngcéng huǒshān, céng zhuàng huǒshān

Norwegian: stratovulkan, sammensatt vulkan
Polish: stratowulkan
Romanian: stratovulcan, vulcan compozit
Swedish: stratovulkan, kompositvulkan

QUESTION TWO

Some of the Tanzimat reforms came about due to British and French pressure following **which conflict** of 1853–56, fought around the Black Sea, in which an alliance of the Ottomans, France and Britain defeated the Russian Empire?

ANS: Crimean War

Danish: Krimkrigen
Dutch: Krimoorlog
French: guerre de Crimée
German: Krimkrieg
Mandarin: Kèlǐmǐyà zhànzhēng, Dōngfāng zhànzhēng

Norwegian: Krimkrigen
Polish: Wojna krymska
Romanian: Războiul Crimeii
Swedish: Krimkriget

QUESTION THREE

Despite being Roman Catholics, Thomas Tallis and **which other composer**, Tallis's pupil, were granted a monopoly on printed music by Elizabeth I? This composer's works include *My Ladye Nevells Booke* and the consort song *Ye Sacred Muses*, written as an elegy to Tallis.

ANS: William Byrd

Mandarin: Wēilián·Bódé

PLAYER FOUR

QUESTION ONE

A *foiba* is a type of sinkhole found in northeastern Italy, Slovenia and the Dinaric alps, typically with a small opening and a larger cave below. They are a feature of **what type of landscape** formed by the dissolution of carbonate rocks?

ANS: karst

Danish: **karst**landskab

Mandarin: **kāsītè** dìmào, **yánróng** dìmào, **róngshí** dìxíng, **shíhuìyán** dìxíng

Polish: **kras**, **krasowienie**

Romanian: **carst**

QUESTION TWO

Now the capital of Kyrgyzstan, **which central Asian city** was named Frunze between 1926 and 1991, in honour of Bolshevik revolutionary Mikhail Frunze?

ANS: Bishkek

Danish: **Bisjkek**

Dutch: **Bisjkek**

French: **Bichkek**

German: **Bischkek**

Mandarin: **Bǐshénkǎikè**

Norwegian: **Bisjkek**

Polish: **Biszkek**

Romanian: **Bişkek**

Swedish: **Bisjkek**

QUESTION THREE

In 1960, the Mali Federation gained independence from France under the leadership of Modibo Keita. It was a federation comprised of Mali and **which other country**, whose leader Léopold Sédar Senghor was a supporter of federalism? However the federation lasted only two months after gaining independence before this country withdrew.

ANS: Senegal

French: **Sénégal**

Mandarin: **Sàinèijǐa'ěr**

ROUND FIVE

PLAYER ONE

QUESTION ONE

Which ancient Jewish apocryphal text is only considered canonical by the Ethiopian Orthodox church, and the Ge'ez [GEH-ez] texts were the earliest known version until the discovery of fragments in the Dead Sea Scrolls? This work covers much of the same subject matter as Genesis in divisions of 49 years each.

ANS: Book of Jubilees

Danish: Jubilæerbogen

Dutch: Jubileeën, De Openbaring van Mozes

French: Livre des Jubilés

German: Buch der Jubiläen

Mandarin: Xǐ nián shū, Xiǎo Chuàngshìjì

Norwegian: Boken om Jubelårene, Jubileerboken

Polish: Księga Jubileuszów

Romanian: Cartea Jubileelor, Geneza Mică,

Leptogenesis

Swedish: Jubileerboken, Lilla Genesis,

Leptogenesis

QUESTION TWO

What word of Yucatec Maya origin is used for a sinkhole that is formed when limestone collapses to reveal groundwater? There are around 10,000 of these formations in the Yucatán peninsula.

ANS: cenote (or ts'ono'ot)

Danish: accept ferskvandshul

French: cénote

Mandarin: accept shíhuì jǐng, yándòng jǐng, shíhuìyándòng, yán dòng xiànlùò jǐng, or tiānrán jǐng Romanian: accept crovurile

QUESTION THREE

In which quantum experiment does detection by a detector not cause wavefunction collapse, but observation of the detectors after detection does? The collapse causes the interference pattern to disappear from this experiment, which is the quantum analogue of Young's double slit experiment.

ANS: quantum eraser experiment (accept delayed choice quantum eraser experiment)

Danish: kvanteviskelæder-eksperiment, quantum viskelæder eksperiment

Dutch: kwantumwisper-experiment

French: gomme quantique

German: Quantenradierer

Mandarin: Liàngǐ cǎ chù shíyàn

Norwegian: kvanteviskelær-eksperiment

Polish: gumki kwantowej

Romanian: radierea cuantică

Swedish: kvant-suddgummi-experimentet,

kvante-viskeläde-experiment

PLAYER TWO

QUESTION ONE

Later developed by Plato and Aristotle, the form-matter dualism influential in cybernetics was first proposed by **which pre-Socratic Greek philosopher** who introduced the concept of 'Nous' (cosmic mind) as the agent responsible for the rotation and separation of the primordial mixture?

ANS: Anaxagoras

French: **Anaxagore**

Mandarin: **Ānàkèsàgēlā**

Polish: **Anaksagoras**

Romanian: **Anaxagora**

QUESTION TWO

Which deity of Zoroastrian Persian origin became the subject of a mystery religion popular among the Roman army from the 1st to the 4th centuries CE? The religion dedicated to this figure was seen as an early rival to Christianity, and its temples can be found throughout the former Roman empire, often situated in caves.

ANS: Mithras

Mandarin: **Mìtèlā**

Polish: **Mitra**

QUESTION THREE

Another common source of nitrogen in fertilisers is **which compound** with formula $\text{CO}(\text{NH}_2)_2$? This compound is used for nitrogen excretion in mammals, being the main nitrogen-containing substance in urine.

ANS: urea (or carbamide)

Danish: **urinstof, carbamid**

Dutch: **ureum**

French: **urée**

German: **Harnstoff**

Mandarin: **niào sù**

Norwegian: **urinstoff**

Polish: **mocznik**

Romanian: **uree, carbamidă, carbonil
diamidă**

Swedish: accept **urinämne, karbamid**

PLAYER THREE

QUESTION ONE

Which film by **Andrei Tarkovsky** contains a scene in which a man tries to cross a drained pool while holding a lit candle? It was the first film Tarkovsky made after leaving the Soviet Union, reflected in it centring on a Russian translator in Italy.

ANS: ***Nostalghia*** (or ***Nostalgia***)

Danish: ***Nostalgija***

Mandarin: ***Xiāngchóu***

QUESTION TWO

In which **Pulitzer Prize-winning novel** does the central character, John Ames, attempt to provide mentorship to his son through a series of letters? In the letters, Ames draws upon the mentorship he received from his own father and grandfather, coming to appreciate the extent to which this has shaped his own role as mentor.

ANS: ***Gilead*** by Marilynne Robinson

Mandarin: ***Yí'ài jī liè***

Romanian: ***Galaad***

QUESTION THREE

Which **French colony** had achieved independence earlier, in 1958, when it rejected the constitution of the new Fifth French Republic? Socialist independence leader Ahmed Sékou Touré became the first president, and remained in power until his death in 1984.

ANS: ***Guinea***

Dutch: ***Guinee***

French: ***Guinée***

Mandarin: ***Jīnèiyǎ***

Polish: ***Gwineja***

Romanian: ***Guineea***

PLAYER FOUR

QUESTION ONE

William Byrd wrote many pieces for **which keyboard instrument**, collected in *My Lady Nevells Booke*, which includes many grounds, pavans and galliards? This typically rectangular member of the harpsichord family is distinguished from harpsichords and spinets by the strings being parallel to the keyboard.

ANS: virginal (accept **muselar**, **ottavino**)

Dutch: **virginaal**

Mandarin: **Wéi jīnnà qín**

Polish: **wirginal**

QUESTION TWO

Also featured at the 'Post-Painterly Abstraction' exhibit, **which artist and co-founder of the Washington DC Color School** adopted Frankenthaler's soak stain technique in many of his own works? Another recurring theme was a 'target' motif, as in 1958's *Beginning*.

ANS: Kenneth Noland

Mandarin: Kěnnísí·Nuòlán

QUESTION THREE

The andesite line divides the Pacific into two regions: the centre, which is dominated by felsic andesitic rock; and the margins, which are dominated by mafic basaltic rock. Andesite is primarily composed of **what form of feldspar**, which is contrasted with orthoclase and is comprised of sodium-rich albite and calcium rich anorthite?

ANS: plagioclase

Danish: **plagioklas**

Dutch: **plagioklaas**

German: **Plagioklase**

Mandarin: **xié cháng** shí

Norwegian: **plagioklas**

Polish: **plagioklasy**

Romanian: feldspați **plagioclazi**

Swedish: **plagioklas**

TIEBREAKER ONE

QUESTION ONE

Housing works such as Hieronymus Bosch's *De tuin der lusten* (*The Garden of Earthly Delights*) and Goya's *Pinturas negras* (*Black Paintings*), the Museo del Prado is an art gallery in **which capital city**?

ANS: Madrid

Mandarin: Mǎdéilǐ

Polish: **Madryt**

QUESTION TWO

Often identified as a cow, **which goddess of space, consciousness, the past, the future, and fertility** in Hindu mythology is said to support the sky and to be the mother of all things?

ANS: Aditi

Mandarin: Ādītí

QUESTION THREE

The most influential proponent of geological catastrophism in the early 19th century, **which French naturalist** is credited with establishing extinction as a fact in a 1796 lecture to the French Institute?

ANS: Georges Cuvier

Mandarin: Qiáozhì·Jūwéiyè

TIEBREAKER TWO

QUESTION ONE

Known for an annual migration of over 1.5 million wildebeest, the Serengeti National Park is found in the north of **which country?**

ANS: Tanzania

French: **Tanzanie**
German: **Tansania**

Mandarin: **Tǎnsāngníyǎ**

QUESTION TWO

The two co-Princes of Andorra are the President of the French Republic and the bishop of **which Catalanian diocese?**

ANS: Urgell

Mandarin: **Wūhèěr**

QUESTION THREE

Living to the age of 122 years and 164 days, **which French woman**, who died in 1997, had the longest confirmed lifespan in history?

ANS: Jeanne Calment

Mandarin: Ràng nà **Kǎ'ěrmáng**

TIEBREAKER THREE

NEAREST THE BULL

According to the AmphibiaWeb database, **how many species of frogs and toads** are there?

ANS: 7,847

SPARES

In the event of a spare being required, ask the player to pick a number between 1 and 3 and read the corresponding question

SPARE ONE

Deriving from the Arabic for 'flight' or 'departure', **what name** is given in Islam to the migration of Muhammad and his followers to Medina in 622 CE?

ANS: Hijrah or Hegira

Danish: hidjra

Dutch: hidjra

French: hégire

German: Hidschra, Hedschra

Mandarin: Xījīlā

Polish: Hidźra

Romanian: Hegiră

SPARE TWO

Izumo no Okuni was a shrine maiden widely believed to have invented **which form of Japanese theatre** in the early 17th century? This style is known for its elaborate makeup, stylised performance and incorporation of traditional dance.

ANS: kabuki

Mandarin: Gēwǔjì

SPARE THREE

Sharing his surname with a Spanish city, **which man** of Inca heritage became Peru's first indigenous President in 2001?

ANS: Alejandro Toledo

Mandarin: Yàlìhángdéluó·Tuōláiduō