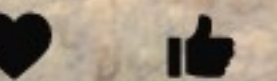




Welcome to EarthWeek 2022 Trivia Night

Hosted by the School of Earth and Environmental
Sciences Departments

EarthWeek 2022: Many Voices, One Planet



Instructions to Participate in EarthWeek Trivia



1



1



2





Instructions and Rules

→ Instructions:

- There are 7 rounds
- Each round has 5 questions and will increase in difficulty throughout the round
- Teams have one minute to answer questions
- There will be a 3-5 minute break between rounds

→ Rules:

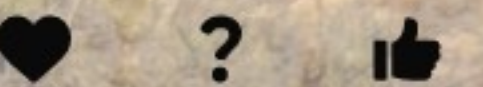
- No yelling out answers
- No collaborating with other teams
- No looking up information on the internet or other outside reference material
- Once you submit your answer, you cannot go back
- Once time runs out, you cannot answer anymore
- The hosts have final say



Category Order

1. GeoScience
2. Hydrology and Atmosphere Sciences
3. The Laboratory of Tree-Ring Research
4. Environmental Science
5. School of Natural Resources and the Environment
6. School of Geography, Development & Environment
7. Arizona & University of Arizona (Random)

Instructions to Participate in EarthWeek Trivia





What do you want to say to the other teams? (Please keep it friendly)

Pablo is a traitor

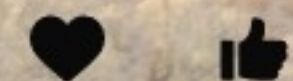
Good luck! Have fun!

Good luck everyone. MDP for the win! 😎



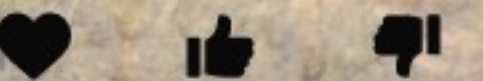


Let's get
started





First Round: GEOS





What Pacific island chain is the result of hotspot volcanism? (Hint: the hotspot never moves, the tectonic plates does)

Hawaii



7x

Hawaiian Islands



Hawaiians



Canary Islands



The correct answer is: Hawai'i



What kind of rock is limestone



11



Igneous



Metamorphic

Sedimentary



What is the flattest state in the US?



Florida



2x

Kansas



3x

Louisiana



Wisconsin



Iowa



North Dakota



Illinois



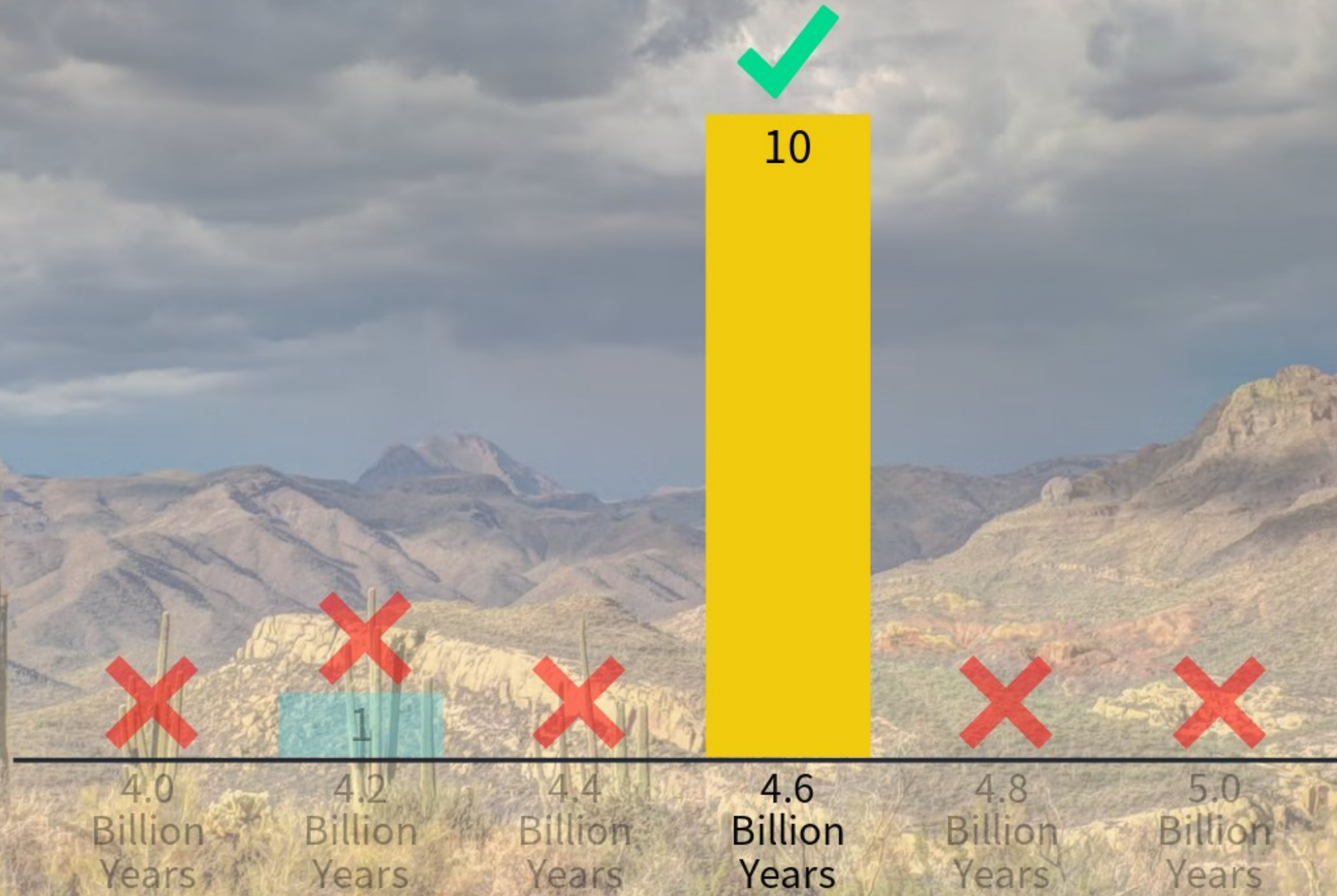
Wyoming



The correct answer is: Florida



What is the age of the earth to the nearest 100 Million years?



Name One of the Major Types of Rocks Found on the Moon



Basalt



2x

Anorthosite



Igneous



3x

Lunar rocks



Metamorphic



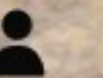
Meteorite



Granite



The correct answer is: Basalt, Anorthosite, or Breccia



Leaderboard



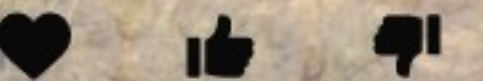


5 Minute Break



Second

Round: HAS





What are the two rivers that flow through Tucson?

Rillito and Santa Cruz



4x

Santa Cruz and rillito



3x

Rillito, Santa Cruz



Caps, lemmon



Colorado and Santa Cruz



tanque verde



The correct answer is: Santa Cruz & Rillito





What direction does air move around a cyclone in the Northern Hemisphere?

Counterclockwise



4x

Clockwise



7x

The correct answer is: Counterclockwise



What are the three main cloud types?



In what decade was microwave radar, now used to study precipitation structure of storms, invented?



1930



1940s



60s



1950s



50s



1940's



The correct answer is: 1930s





What are the official dates of the monsoon season, as defined by the National Weather Service?

July 1st - September 30th



July 1st to August 31st



June 17-August 27



June 8th to Sept 15th



July 15 to Sept 15



June-August



June 15 to August 31 (north American)



July, 23rd



June 15 to September 15



The correct answer is: June 1st - August 30th





5 Minute Break



Third

Round: LTRR



True or False: Conifers use vessels to transport water from the root up the stem?



7



True



3



False





Which Year was the Laboratory of Tree-Ring Research Established?

1937



1900



1903



1931



1938



1965



1972



1973



1986



The correct answer is: 1937





Tree rings collected from ghost forests in WA, USA recorded a tsunami on Jan 1, 1700. The date is corroborated by records from what other country?

Japan



8x

Canada



3x

The correct answer is: Japan

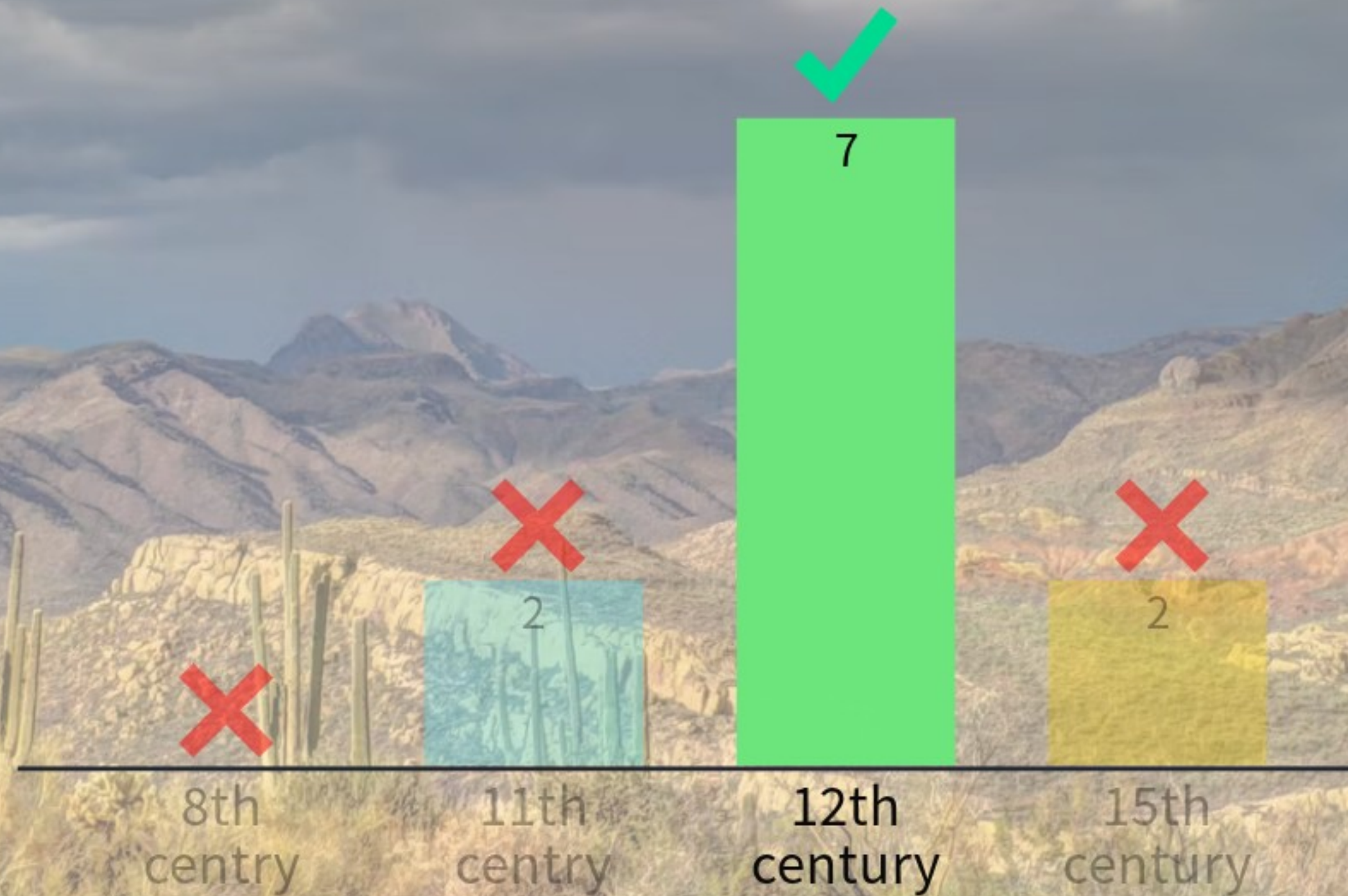


What is the oldest living species of tree in the US? (These trees have rings dating back over 4500 years!)





The Western US is experiencing one of the worst drought periods in history. According to tree rings, in what century did the last megadrought occur?



Leaderboard





TO EAT OR NOT TO EAT?



SLOTHILDA.COM

5 Minute Break



Fourth Round: ENVIS





What mineral gives the Sedona Cliffs their color?

Iron



5x

Hematite



2x

iron oxide



2x

hematite (iron)

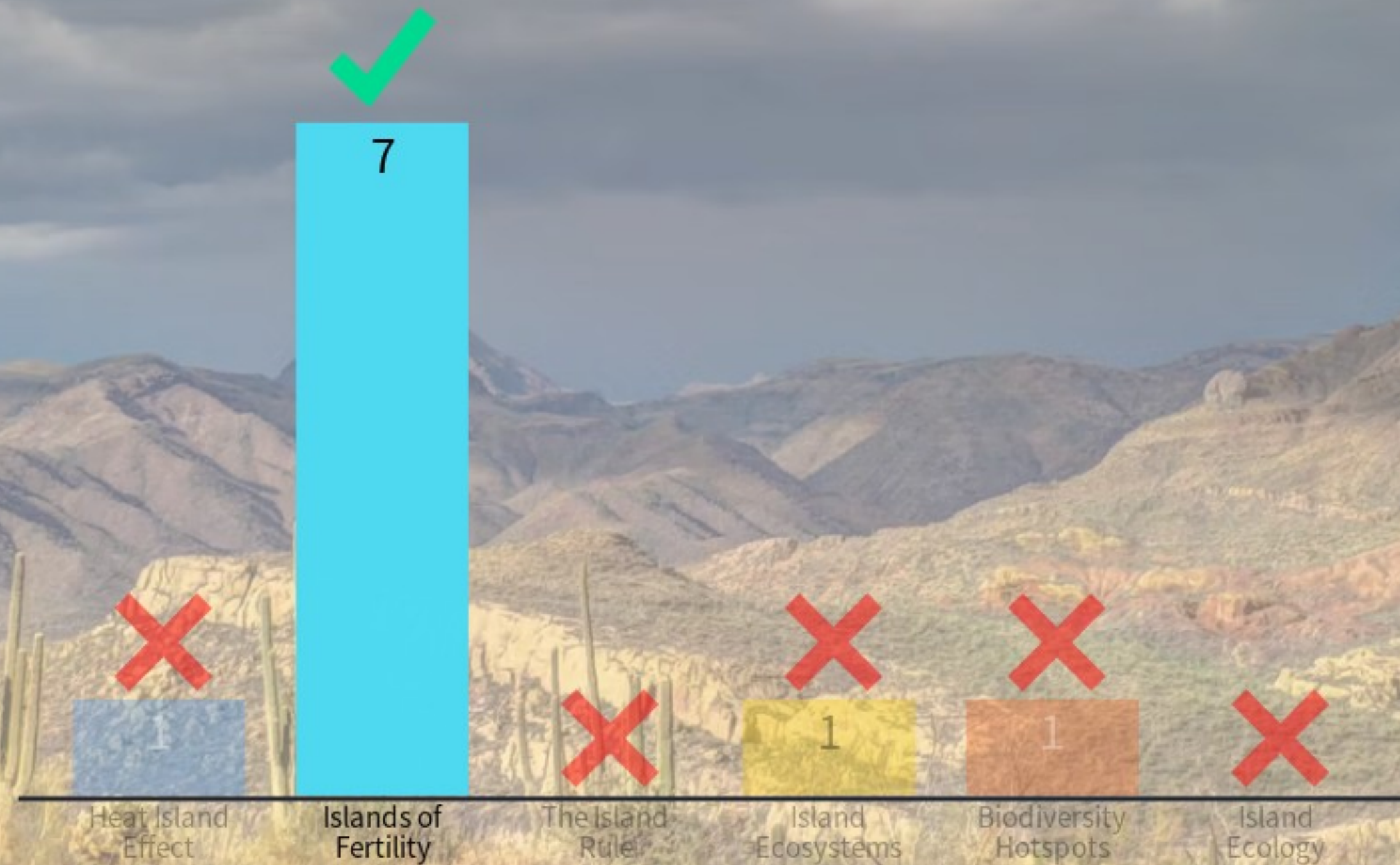


The correct answer is: Iron





Trees & shrubs in arid ecosystems provide shade & protection creating positive effects on soil moisture and nutrient availability also known as what?





What is the name of the bacteria that partner with legume roots to fix nitrogen?

Rhizobia



2x

rhizobium



rhyzobium



Rhizobacteria



2x

Bartholomew



Nitrospora



Myochorirrae



The correct answer is: Rhizobia



In what U.S. state did the "birth of the environmental justice movement" occur? (Hint: this event occurred after the 1960s)



North Carolina



California



5x

Ohio



3x

New Jersey



Wyoming



The correct answer is: North Carolina





What does NET stand for in terms of combating climate change (Hint: these are methods that sequester CO2 directly from the atmosphere)

Negative Emissions Technologies 2x

Negative emissions technology

Net Emissions Tracking

Neutralize environmental Technology

Trapping neutralization

neutral energy transfer

nitrogen energy tank

net evapotranspiration

Net ecosystem transfer

The correct answer is: Negative Emissions Technologies



Leaderboard





Break time!

5 Minute Break



Fifth Round:

SNRE



True or False: Wild horses are native to North America



5



True



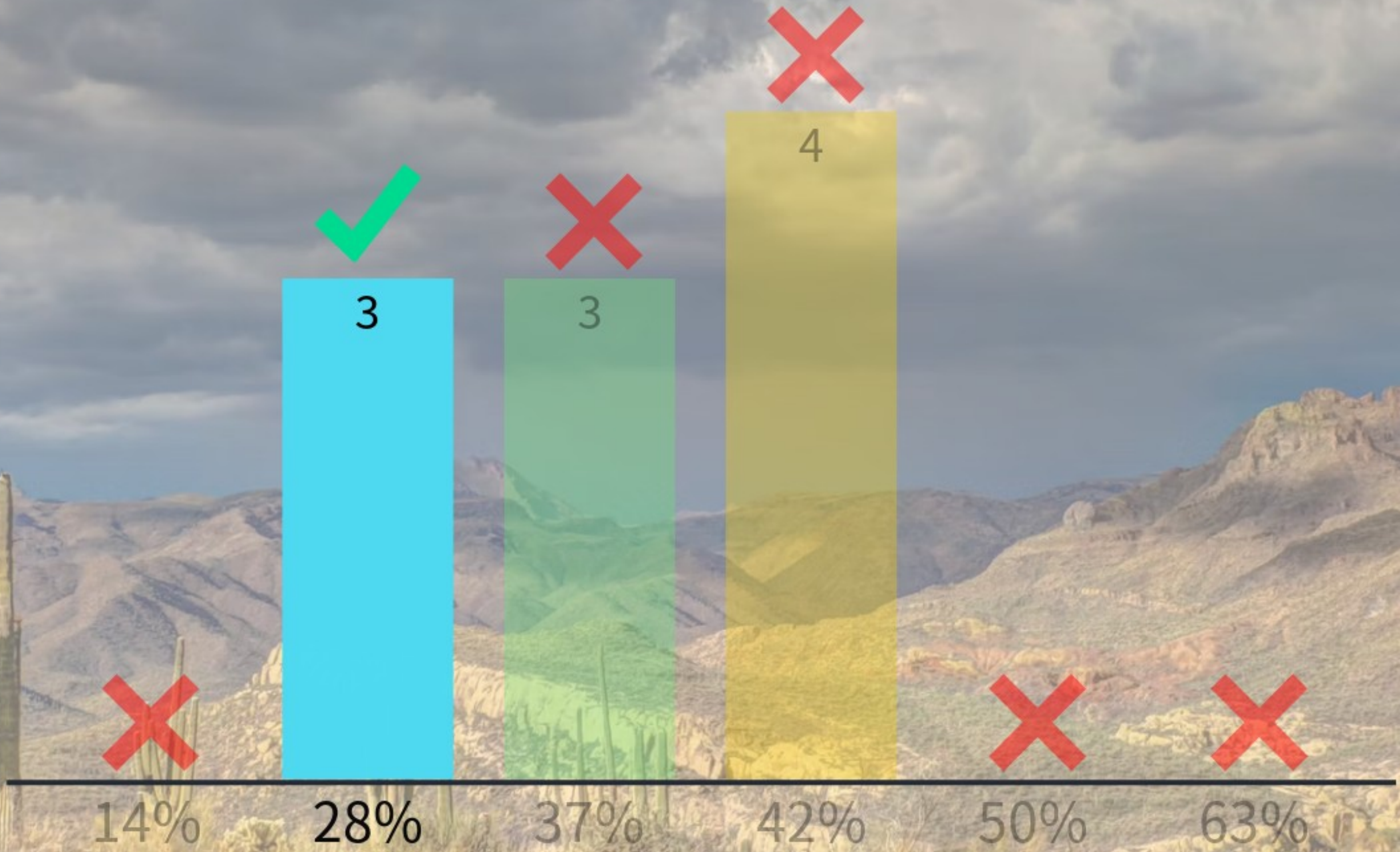
5



False



The federal government owns ___ percent of the 2.27 billion acres of land in the U.S.



Name the three main deserts of North America (Note: Don't include and's or & in your response, but include commas)



Mohave, Sonora, Chihuahua



Sonoran, Chihuahua, Mohave



Sonoran, Mojavi, chichuauan



Sonora Mohave Chihuahua



Chihuahuan, Sonoran, Mojave



Sonoran, Chihuahua , Mojave



Mojave, Sonoran, Chihuahuan



Sonoran, Mojave, and Chihuahuan



Sonoran, Chihuahuan, Mojave



The correct answer is: Mohave, Sonoran, Chihuahuan



Mt. Lemmon was named after a person. What is this person's name?



Sara Lemmon



2x

Sarah



Sarah Lemmon



Linda Lemmon



Rachel Lemmon



John Lemmon 🎵



Julia Lemmon



Abigail Lemmon



John Lemmon



The correct answer is: Sara Plummer Lemmon





This act requires federal agencies to assess the environmental effects of their proposed actions prior to making decisions.

NEPA



Nepa national environmental protection act



Environmental Protection Act



Antiquities act



Clean water



cercla



The correct answer is: National Environmental Policy Act (NEPA)



Leaderboard





5 Minute Break



Sixth Round:

SGDE



What does GIS stand for?



Geographic Information System



3x

Geographic information systems



3x

Geographical Information Systems



Geographic informational system



Geographic informations systems



geographical imaging software



The correct answer is: Geographic Information System





Which US President signed the Clean Air Act and created the Environmental Protection Agency during 1970?

Nixon



4x

Richard Nixon



3x

Carter



2x

LBJ



The correct answer is: Richard Nixon





What is the belief that the allocation of resources should left to private markets?

Neoliberalism



3x

Capitalism



2x

Liberalism



Laissez faire



l'aissez faire



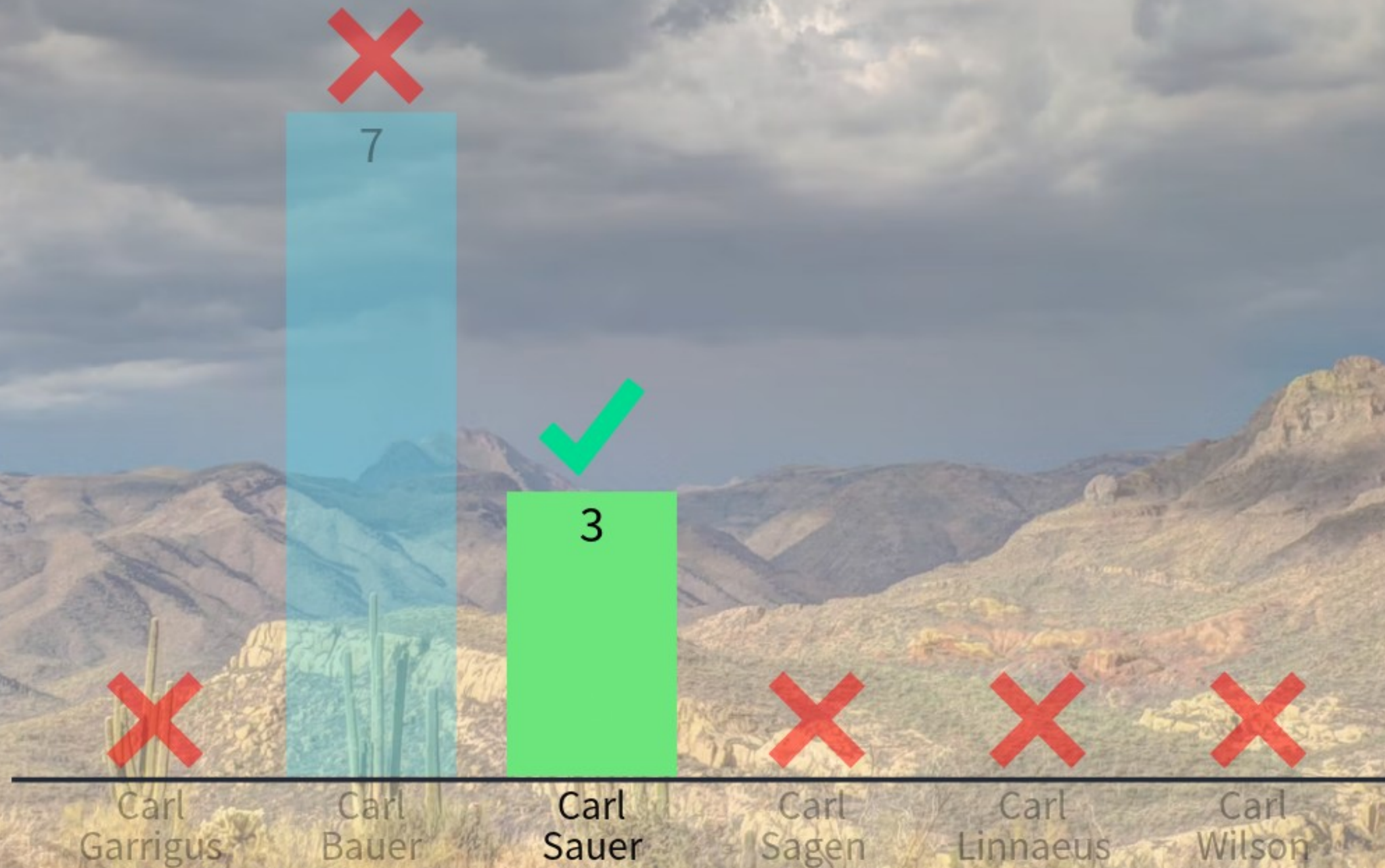
Utilitarianism



The correct answer is: Neoliberalism



Who is the Father of cultural geography?





The UN has 17 Sustainable Development Goals (SDGs). What is the 11th SDG?

Sustainable sewage systems



Sustainable landscape



urban land use



Sustainable cities



Environmental justice



No world hunger/poverty



Life beneath water

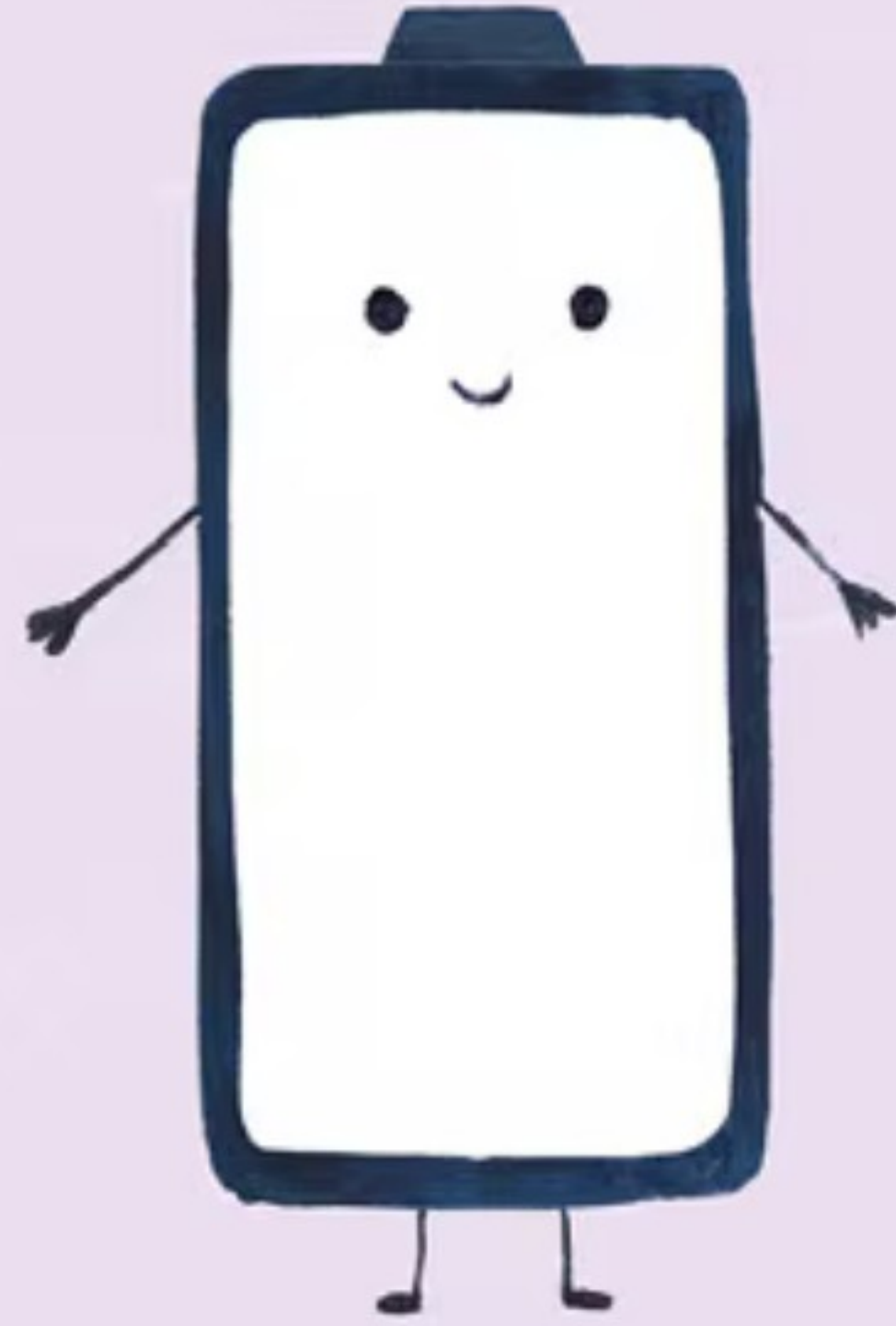


The correct answer is: Make cities and human settlements inclusive, safe, resilient and sustainable



Leaderboard





OFF *to* RECHARGE

flow

5 Minute Break



Final Round: Random Arizona and University of Arizona Knowledge Plus 3 Bonus Questions



The University of Arizona is on the land and territories of which Indigenous Peoples?



Tohono O'doham, Pima Yaqui



Tohono O'odham, Pascua Yaqui,
Hohokam



Tohono O'odham and qui



o'odaham and yaqui



Tohono O'odham and Pascua
Yaqui



Tohono O'odam, Yaqui



Navajo



Tohono O'dham



The correct answer is: Tohono O'odham and Pascua Yaqui



Mount Bigelow is a mountain in which mountain range?



Santa Catalina



2x

Rincon



2x

Rincons



2x

Catalinas



2x

catalina



Tucson Mountains



The correct answer is: Santa Catalina



What is Arizona's State Fossil?



Petrified wood



6x

Amber



Giant sloth



sonorasaurus



the lizard kind



The correct answer is: Petrified Wood



In what year was the Environment and Natural Resources 2 (ENR2) Building completed?



2015



2x

2014



3x

2016



2x

2002



2010



2017



The correct answer is: 2015



What is the definition of 'Tucson'?



black base/ base of a mountain



black base because of the mountain



Black bottom of the mountain



River crossing



A Green and water filled desert



Horse trail



Town under black



place where the water meets the mountains



Black hill



The correct answer is: Black Base



(Bonus) When was Kitt Peak National Observatory Founded?



1958



2x

1973



2x

1938



1952



1954



1974



1975



1930s



The correct answer is: 1958





(Bonus) Who were the founders of Biosphere 2? Just Name One (Hint: there are two; one ecologist and one businessman)

John P Allen



Ed Bass, John P Allen



Ed Bass



Steve Bannon



2x

Pruit



Mr. Bio Ms.Sphere



John Biosphere



Pauli Shore (Mr. Dr. Prfoessors
Biosphere)



Udall



The correct answer is: John P. Allen and Ed Bass



(Bonus) What were the original colors of the University of Arizona?



Silver and sage green



green/ silver



sage green/ silver



Sage green and silver



Sage and silver



Red and blue



Red, black



Blue and yellow



purple and white



The correct answer is: Sage Green & Silver



Leaderboard





Thanks for Coming to EarthWeek 2022 Trivia Night

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