



EARTH'S WILD RIDE DISCUSSION QUESTIONS

1. If you lived near the Moon's south pole, where would the Earth be in the sky?
 - a. overhead
 - b. below the horizon
 - c. near the horizon
 - d. depends on the time of day.

2. If you lived on the Moon, what color would the sky be?
 - a. yellow
 - b. reddish
 - c. blue
 - d. black

3. If the Moon has ice, it probably came from
 - a. comets landing in valleys near the poles
 - b. volcanoes covering the surface
 - c. formation of the moon's mountains
 - d. the Earth

4. What is easier to do outside on the Moon than on the Earth?
 - a. bounce up and down
 - b. go swimming
 - c. grow flowers
 - d. fly a kite

5. What color is the Moon's surface at midnight?
 - a. yellow from the light of lunar colonies
 - b. black because there's no light at night
 - c. blue because of Earthshine from the "full Earth"
 - d. white from the light of spaceships

6. When people on Earth see a solar eclipse, the Earth, Sun, and Moon are all in a straight line. What is the order of the Earth, Sun, and Moon?
 - a. Sun, Earth, Moon
 - b. Earth, Sun, Moon
 - c. Moon, Earth, Sun
 - d. Sun, Moon, Earth

7. When people on Earth see a total solar eclipse, what are people on the Moon seeing?
 - a. the Sun disappearing behind the Earth
 - b. the Earth disappearing behind the Sun
 - c. the Moon casting a shadow on the Earth
 - d. the Earth casting a shadow on the Moon

8. During an ice age, ice
 - a. is found only at the North and South poles.
 - b. covers most of Europe.
 - c. covers the whole Earth.
 - d. covers all the land areas of Earth.

9. During the last ice age, people drew pictures on
 - a. cave walls.
 - b. rice paper.
 - c. clay tablets.
 - d. pulp wood.

10. Which of these is an adaptation of mammoths to their environment?
 - a. thick fur.
 - b. meat diets.
 - c. small feet.
 - d. long necks.

11. The mammoth is most like
 - a. a leopard.
 - b. a tiger.
 - c. a gorilla.
 - d. an elephant.

12. During the last ice age, people used caves for
 - a. killing mammoths.
 - b. growing food.
 - c. shelter.
 - d. protecting their sheep.

13. Name the country that looks like a boot.
 - a. Texas
 - b. China
 - c. Italy
 - d. Mexico

14. Why don't the stars twinkle on the Moon?
 - a. because the moon doesn't have any air.
 - b. because there are no clouds on the Moon.
 - c. because stars are closer from the Moon.
 - d. They do, the astronauts just can't see it.

15. Which of these causes craters on Earth, but NOT on the Moon?
 - a. comets.
 - b. asteroids.
 - c. volcanoes.
 - d. meteoroids.

16. Why does the moon have more craters than the Earth?
- It has been hit more often.
 - Asteroids reach the moon first.
 - Earth doesn't crater as easily.
 - Earth craters are wiped away by wind and water.
17. What was the climate like at the time of the dinosaurs?
- an ice age
 - warm and wet like the tropics
 - dry like a desert
 - we don't know.
18. A large asteroid impact can kill animals around the world because it
- produces clouds covering the entire planet.
 - floods the entire earth.
 - causes fires that burn for days.
 - produces earthquakes around the world.
19. An asteroid impact could not destroy all humans if we
- acted like the dinosaurs.
 - built shelters in caves.
 - lived both on the Earth and the Moon.
 - lived in underwater colonies.
20. Are there rivers on the Moon?
- only in the mountains.
 - only at the poles.
 - only at night.
 - no.
21. Clouds in the Earth's sky are made of
- water droplets.
 - carbon dioxide.
 - oxygen.
 - water vapor.
22. Melted rock is called
- obsidian
 - sedimentary
 - lava when it's underground and magma when it's flowing on the surface
 - magma when it's underground and lava when it's flowing on the surface
23. A river flows through a canyon. It is probably true that
- the canyon made the river.
 - the river made the canyon.
 - an earthquake made the canyon.
 - wind produced the canyon and the river.

24. Which of these features do you expect to see on the Moon?

- a. canyons cut by ancient rivers.
- b. craters from a recent volcano.
- c. geysers.
- d. craters caused by asteroids.

25. Why is living on the Moon good for an old person?

- a. The rocks are safer.
- b. Lunar spring water is very healthy.
- c. Lower gravity is easier on the heart.
- d. The sunlight is less bright.