

**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.