

**“EARTH’S WILD RIDE”**  
**PRE/POST QUESTIONS**

Make up for yourself a six-digit number, so we can match your pre and post test: \_\_\_\_\_  
(we will not save your personal information)

What grade are you in? \_\_\_\_\_ Boy or girl? \_\_\_\_\_ Watched in dome or on TV? \_\_\_\_\_

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 appear to be?
  - a. yellow
  - b. reddish
  - c. blue
  - d. black
  
3. If the Moon has ice, it probably came from
  - a. comets landing in shady 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 moon
  - 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?
- the Sun disappearing behind the Earth
  - the Earth disappearing behind the Sun
  - the Moon casting a shadow on the Earth
  - the Earth casting a shadow on the Moon
8. During an ice age, ice
- is found only at the North and South poles.
  - covers most of Europe.
  - covers the whole Earth.
  - covers all the land areas of Earth.
9. During the last ice age, people drew pictures on
- cave walls.
  - rice paper.
  - clay tablets.
  - pulp wood.
10. Which of these is an adaptation of mammoths to their environment?
- thick fur.
  - meat diets.
  - small feet.
  - long necks.
11. The mammoth is most like
- a leopard.
  - a tiger.
  - a gorilla.
  - an elephant.
12. During the last ice age, people used caves for
- killing mammoths.
  - growing food.
  - shelter.
  - protecting their sheep.
13. Name the country that looks like a boot.
- Texas
  - China
  - Italy
  - Mexico
14. Why don't the stars twinkle on the Moon?
- because the moon doesn't have any air.
  - because there are no clouds on the Moon.
  - because stars are closer from the Moon.
  - They do, the astronauts just can't see it.

15. Which of these causes craters on Earth, but NOT on the Moon?
- comets.
  - asteroids.
  - volcanoes.
  - 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
  - a. the canyon made the river.
  - b. the river made the canyon.
  - c. an earthquake made the canyon.
  - d. 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.

Post-test only: Please write the most interesting thing that you learned from the show:

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Post-test only: Answer (circle) all that you agree with:

- 1. learning in the dome is more fun than watching on a TV
- 2. it is easier to learn in a dome than on a TV
- 3. a dome show is more difficult to follow than one on a TV
- 4. there are things which are easier to understand in a dome than on a TV
- 5. this show has made me want to learn more about the Earth
- 6. this show has encouraged me to become a scientist

Post-test only: Any other comments, suggestions, or other movies you'd like to see in a dome?

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*Thank you for your time!!*