

QUESTIONS FOR VIRTUAL TRIP TO THE MOON

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JACKSON'S QUESTIONS

VIRTUAL TRIP TO THE MOON (AS ASKED BY JACKSON)

1. What is the crew going to measure on the Moon?
2. How long is an actual one way trip to the Moon?
3. In what year did Astronaut David Scott visit the Moon?
4. What is the circumference of (the distance around) the Moon?
5. How does the size of the Moon compare to the size of Planet Earth?
6. What is the hottest temperature on the Moon?
7. What is the lowest temperature on the Moon?
8. When or where should you land on the Moon to have a comfortable temperature?



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9. Can you breathe the air on the Moon?

10. How does the concentration of oxygen in the Moon's atmosphere compare to the concentration of oxygen in the Earth's atmosphere?

11. Why do you think the Moon's atmosphere is different from Earth's?

12. How does the force of gravity on the Moon compare to the force of gravity on Earth?

13. How does the force of gravity on the Moon depend on the Moon's mass?

14. How does the force of gravity on the Moon depend on the Moon's radius?

15. What is a simple way to compare the two forces of gravity?

16. What is the acceleration due to gravity?

17. How can you measure the acceleration due to gravity?

QUESTIONS FOR VIRTUAL TRIP TO THE MOON

18. How does the acceleration due to gravity on the Moon compare to the acceleration due to gravity on Earth?
19. Why are the two accelerations due to gravity different?
20. How is the acceleration due to gravity related to the force of gravity?
21. How does the composition of the Moon's surface compare to that on Earth?
22. How does the mass of the Moon depend on the density of the Moon?
23. How does the mass of the Moon depend on the volume of the Moon?
24. Why does the Moon stay with Planet Earth?
25. What is the motion of the Moon as it stays near Planet Earth?
26. How long does it take for each repeat of its motion?

QUESTIONS FOR VIRTUAL TRIP TO THE MOON

27. Does the Earth have craters like we see on the Moon?

28. Does the Earth have as many craters as the Moon? If not, why not?

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