

Solar System Study Guide

1. What causes the seasons?
 2. What is a revolution?
 3. What is Isaac Newton known for?
 4. Why does the sun appear to rise and set?
 5. What are Ptolemy and Aristotle known for?
 6. What are the outer planets, except for Pluto, made up of?
 7. What is Copernicus known for? Who agreed with him later on?
 8. The sun's gravity causes the planets to do what?
 9. When the sun appears to change shape, what are the shapes called?
 10. Name the phases of the moon in order.
 11. What is an orbit?
 12. Why do the sun and moon appear to be the same size?
 13. What is the moon made up of?
 14. What did project Apollo do?
 15. Why is the Earth special?
 16. Why does the moon orbit the Earth?
1. The revolution of the Earth and the tilt of the Earth on its axis
 2. When the earth makes one full orbit around the sun (365 days)
 3. "Discovering" Gravity
 4. Because of the earth's rotation (24 hours)
 5. Believing that the earth was the center of the solar system and the sun revolved around the Earth
 6. Mostly gases
 7. Being the first to say that the sun is the center of the solar system – Galileo
 8. To orbit the sun
 9. phases
 10. New, waxing crescent, 1st quarter, waxing gibbous, full, waning gibbous, last quarter, waning crescent
 11. The path that a planet takes as it moves around the sun (shape = ellipse)
 12. The sun is much further away from the Earth than the moon.
 13. Rock and rock fragments
 14. It landed people on the moon and allowed them to understand more about it (Neil Armstrong, Michael Collins, Buzz Aldrin)
 15. It has an atmosphere and water that supports life
 16. The moon has less mass than the Earth and therefore the Earth's gravity makes it orbit

17. During June, July, and August what season is the northern and southern hemisphere having?

18. What is the difference between a waxing and a waning moon?

19. The inner rocky planets are:

20. The gaseous outer planets are:

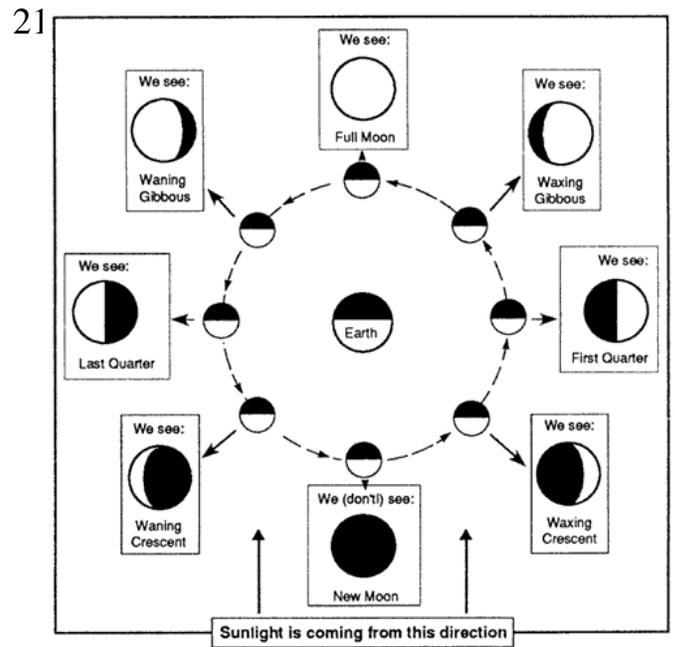
21. Draw the phases of the moon in order.

17. Northern = summer Southern = winter

18. The waxing moon is getting larger (toward a full moon) and the waning moon is getting smaller (toward a new moon)

19. Mercury, Venus, Earth, Mars

20. Jupiter, Saturn, Uranus, Neptune, Pluto



22. What did Galileo do?

22. Invented the first practical telescope