

## Describing Lunar (Moon) Phases

Name \_\_\_\_\_

Instructions: Read "Moon Phases" in **Earth, Moon, and Sun** on pages 14-15 and answer or complete the following items. When finished, glue it as a foldable into your science notebook.

1. Just as \_\_\_\_\_ rotates on its axis and \_\_\_\_\_ around the Sun, the Moon \_\_\_\_\_ on its axis and \_\_\_\_\_ around the Earth.
2. The Moon rotates once every \_\_\_\_\_ days.
3. It takes the \_\_\_\_\_ amount of time, \_\_\_\_\_ days, for the Moon to revolve \_\_\_\_\_ around the Earth.
4. For this reason, a Moon \_\_\_\_\_ is the same length of time as a Moon \_\_\_\_\_.
5. Explain in a sentence or two why the same side of the Moon always faces toward Earth:
  
6. From Earth, can we ever see the back side of the Moon? \_\_\_\_\_
7. Does the Moon produce its own light? \_\_\_\_\_ Explain why or why not in a few sentences:
  
8. How much of the Moon is always bright or shining? \_\_\_\_\_
9. How much of the shining part of the Moon do we see from Earth?
10. As the Moon orbits Earth, we can see different amounts of the Moon's \_\_\_\_\_ side. Because of this, the Moon's shape appears to \_\_\_\_\_ day by day in a \_\_\_\_\_.
11. We call the Moon's cycle of changes the \_\_\_\_\_.

12. What are the Phases of the Moon in order beginning with New Moon?

a. New Moon

b. \_\_\_\_\_

c. \_\_\_\_\_

d. \_\_\_\_\_

e. \_\_\_\_\_

f. \_\_\_\_\_

g. \_\_\_\_\_

13. At the "new Moon" phase, the Moon is lined up between \_\_\_\_\_.

14. In a sentence or two, explain why the new Moon appears dark to the Earth.

15. As the Moon revolves around Earth and away from the Sun, we say that the Moon is \_\_\_\_\_.

16. When we see the whole round disk of the Moon, we call it a \_\_\_\_\_.

17. After the full Moon, when the Moon is moving back towards the Sun, we say that the Moon is \_\_\_\_\_.

18. When the Moon is waning, it's lighted side is getting \_\_\_\_\_ and we see less and less of it.

19. How long is a lunar cycle of phases? \_\_\_\_\_

20. The lunar cycle of phases is longer than a lunar year. Why is that? Explain.