

Name: \_\_\_\_\_ # \_\_\_\_\_ Date of Test \_\_\_\_\_

### Chapter 4 Study Guide

1. The apparent shapes of the Moon in the sky are called its \_\_\_\_\_.
2. When one object travels around another it is called \_\_\_\_\_.
3. A(n) \_\_\_\_\_ is a real or imaginary line that an object rotates around.
4. During a(n) \_\_\_\_\_, the Moon is between the Sun and Earth.
5. A pit on the Moon made by a meteoroid is called a(n) \_\_\_\_\_.
6. Earth has an elliptical \_\_\_\_\_ around the Sun.
7. In a(n) \_\_\_\_\_, Earth casts a shadow on the Moon.
8. The Moon's gravity pulls on Earth and causes \_\_\_\_\_ in the ocean.
9. The Sun rises in the east and sets in the west due to its \_\_\_\_\_ on Earth.
10. Once every 24 hours, Earth completes one \_\_\_\_\_.
11. A \_\_\_\_\_ is an example of apparent motion
12. Craters cover most of the surface of \_\_\_\_\_.
13. We see the moon at night because \_\_\_\_\_.
14. It takes \_\_\_\_\_ for the Earth to complete one revolution around the sun.
15. A solar eclipse happens when \_\_\_\_\_.
16. Why is it safe to look at a lunar eclipse? \_\_\_\_\_.
17. Would the seasons be affected if the Earth wasn't tilted?                      YES                      NO  
If so, how? \_\_\_\_\_.
18. What would happen if the Earth didn't rotate around the sun? \_\_\_\_\_  
\_\_\_\_\_.
19. Is it possible to have life on the Moon? \_\_\_\_\_  
\_\_\_\_\_.
20. How were early calendars created? \_\_\_\_\_.