**Unit 4 Sun, Moon, and Earth Study Guide**

**Draw a line to connect each word to its definition**

1. Axis Natural satellite of the Earth
2. Moon Produces its own light
3. Sun An imaginary line around which the earth turns
4. Phases Phase of the moon that is not visible from Earth
5. New Moon Moon has a different shape every day

**Write the missing word in each sentence.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Rotation** | **Revolve** | **Day and night** | **Rotate** |
| **Month** | **365 days** | **First quarter** |  **One day** |
| **Full moon** |  |  |  |

1. The sequence of the moon phase:

New moon, Waxing crescent, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, waxing gibbous, Full moon

1. Which phase of the moon gives you as much natural light as possible for the next five days \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. The moon takes a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to orbit around the Earth.

1. The side of the moon always faces the earth because it takes the same amount of time to \_\_\_\_\_\_\_\_\_\_\_\_and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. The sun rises and set everyday caused by the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the Earth. The earth rotates on its axis which causes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. It takes the Earth \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to make one rotation. Also, the Earth takes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_to make one orbit around the sun.

**Circle the word in the parenthesis and write the answer on the line.**

The sun travels along as it appears to move through the sky from \_\_\_\_\_\_\_\_\_\_\_ (west , east, north, south) to \_\_\_\_\_\_\_\_\_\_\_ (west, east, north, south) because the earth rotates \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (clockwise , counterclockwise). The sun and moon appear to be the same size. The sun is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ( larger , smaller) but\_\_\_\_\_\_\_\_\_\_\_\_ (farther , closer) away, which makes both look the same in size. The sun is at its highest at 12 noon in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_( winter, autumn, spring, summer). It looks bigger than other stars because it is\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (closer, further) away than other stars to earth.