

SOLAR AND LUNAR ECLIPSES

1. How often does Earth complete an orbit around the Sun? _____

2. How often does Earth complete a rotation around its axis?

3. About how often does the Moon complete an orbit around Earth? ______

4. The Moon is able to fully cover the Sun during a solar eclipse because of its current orbit. One million years

from now, this will change because the Moon is slowly moving ______ from the Earth.

- 5. During a solar eclipse, why does the Moon appear to be the same size as the Sun?
- 6. How does a partial solar eclipse occur?

7. The Moon appears to be red in color during a total lunar eclipse because of the way light waves pass

through Earth's ______.

8. How does a partial lunar eclipse occur?

9. Why don't we have a lunar eclipse every month?

10. On the back of this paper, draw a picture that includes all the components of a system that will help you explain how a lunar eclipse occurs.