

# What Is a Solar Eclipse?

Name \_\_\_\_\_ Date \_\_\_\_\_

**Directions:** Write your responses on this sheet or on separate paper.

1. What does *totality* mean when discussing a solar eclipse?



2. Which part of the Sun is visible during a total solar eclipse?

3. The Moon is 400 times smaller than the Sun. How can the Moon block our view of the entire Sun during a solar eclipse?

4. Why doesn't the Moon create a solar eclipse every month?

5. In 500 million years, there will be no more total solar eclipses. Why not? What is causing this change?