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

**Solar Lunar eclipses**

Answer to your opening response:

**Vocabulary:**

**lunar eclipse solar eclipse**

**umbra penumbra**

1**. Lunar eclipse**



2. What is the moon going to look like tonight if you could see it? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Why?

3. **Solar eclipse**



4. What would a solar eclipse look like if you were standing in the **umbra**?

5. How would it look if you live in the **penumbra?**

**Solar eclipse Facts**

* To see a total eclipse you have to be in the path \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* This path can be up to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_wide…
* There are only about \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_every 100 years.

It’s remarkable that solar eclipses even occur at all!

* The sun and the moon appear to be about the\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_!
* The sun shows diameter is 400 time that of the moon happens to be about 400 times as far away from the Earth… this enable the moon to just barely cover the sun,
* If the Moon’s diameter was just \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_......

It would not be large enough to cover the sun…there would be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

In your own words (5 sentences min)

What is the difference between a solar and a lunar eclipse? How would you know whether you were looking at a solar or a lunar eclipse?