**Brain Pop – Eclipse**

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is when the light from either the sun or moon is going to be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for a period of time.**
2. **The moon orbits the earth and the earth orbits the \_\_\_\_\_\_\_\_\_\_\_\_. Sometimes their \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ causes an eclipse.**
3. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ eclipses happen more often.**
4. **Lunar eclipses happen at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ when the sun and the moon are on opposite sides of the earth.**
5. **When the moon passes through the earth’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, you see the bright lunar disk turn dark for up to an hour.**
6. **Draw: SEM**
7. **The moon’s orbit is \_\_\_\_\_\_\_\_\_\_\_\_\_, causing the moon to pass slightly above or below the line between the sun and the earth.**
8. **During a solar eclipse, the moon passes directly between the \_\_\_\_\_\_\_\_ and the earth.**
9. **For a short time, the \_\_\_\_\_\_\_\_\_\_\_\_ blocks our view of the sun.**
10. **An eclipse can be partial or \_\_\_\_\_\_\_\_\_\_\_\_\_, depending where the shadow lands.**
11. **In a total solar eclipse the direct \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, or UMBRA, reaches the earth.**
12. **Draw: SME**
13. **Total eclipses are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than partial eclipses.**
14. **In a partial eclipse, there is an \_\_\_\_\_\_\_\_\_\_\_\_\_\_ shadow, either a penumbra or antumbra – hitting the earth.**
15. **Draw:**

1. **In a total solar eclipse, you will see the sun’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_ spill out from behind the dark moon on a bright sunny day.**
2. **To view a total solar eclipse you have to make or have a special device to keep from looking directly at the sun, in order to not \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ your eyes.**