**The Eclipse**

*Solar eclipse:* [*https://www.youtube.com/watch?v=E6OtLfszaVI*](https://www.youtube.com/watch?v=E6OtLfszaVI)

*Lunar eclipse:* [*https://www.youtube.com/watch?v=LH-aSizsx1o*](https://www.youtube.com/watch?v=LH-aSizsx1o)

Compare the lunar and solar eclipse using a chart, be sure to listen for and cover the following within your chart

**Solar eclipse:**

* What is it?
* How does it occur?
* Three major parts during a solar eclipse:
	+ Umbra (total solar eclipse; can’t see sun at all)
	+ Antumbra (moon is completely in front of the sun but doesn’t cover it all; can see the outline of the shadow of the moon; annual solar eclipse)
	+ Penumbra (portion of the moon is in front of the sun; partial solar eclipse; can only see part of the sun)
* what happens within each of the phases above?
* Eye health when watching the solar eclipse and why?

**Lunar eclipse:**

* What is it?
* How does it occur?
* Penumbral lunar eclipse
* Partial lunar eclipse
* Total lunar eclipse
* Why does the moon appear red?
* Include at least one extra fact for both the solar and lunar eclipses