

## Notes for Eclipses and The Sun

### Eclipses

- A lunar and solar eclipse occur every \_\_\_\_\_ months on Earth exactly \_\_\_\_\_ days apart
- A solar and lunar eclipses only occurs when the Sun, Earth, and Moon are \_\_\_\_\_ up in a straight line level with each other
- Solar eclipse is when the \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ are lined up in a row
- Lunar eclipse is when the \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ are line up in a row
- There are usually \_\_\_\_\_ eclipses every year (2 lunar, 2 solar)
- Solar eclipses are \_\_\_\_\_ to see than lunar eclipses

### The Sun

- \_\_\_\_\_ is the flow of particles out of the Sun's corona.
- Solar wind can't be \_\_\_\_\_ and can only be examined during an solar eclipse
- Earth's \_\_\_\_\_ protects/shields us from solar wind
- Solar Wind particles have so much energy (energy is heat) and the particles can be more than a \_\_\_\_\_ degrees
- The sun is made of \_\_\_\_\_ and \_\_\_\_\_
- The sun is so large that the pressure and gravity in the core causes \_\_\_\_\_ which is when the reaction by which hydrogen gas changes into helium gas and releases energy in the form of heat and light
- This is the reason why the sun gives off light and heat and scientists predict that the sun will continue to produce light and heat for \_\_\_\_\_ billion years
- Solar energy is \_\_\_\_\_ from the sun
- \_\_\_\_\_ is the process by which energy makes its way through space to Earth
- The interaction of solar energy on Earth creates weather and makes our planet habitable
- Most radiation is felt and seen as \_\_\_\_\_ and \_\_\_\_\_
- Earth's \_\_\_\_\_ protects our planet from getting to much solar energy, because it reflects and absorbs solar energy from the sun.

Mr. P's Blog site

<http://podcasts.shelbyed.k12.al.us/kpughsley/>