

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.

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