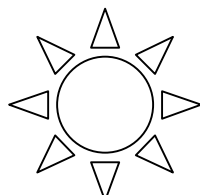


This project is worth 30 points. Attach this rubric to the poster when you turn it in.

- On a piece of 11X17 paper,
 - draw the Earth, the Sun, and the Moon as they are positioned during a **Lunar Eclipse**. It doesn't need to be drawn to scale.
 - You need to create 5 information boxes and place them by the objects on your poster. (the Neap and Spring tide boxes can be placed anywhere)
 - Each information box must include the facts from the table below.**

Poster Part	Requirement	Points/Pts Possible
Main drawing	Drawing of Earth Moon Sun during a Lunar Eclipse. Must be in a line, perfect circles. You must include and label the Umbra and Penumbra in your drawing. Use your textbook to help you. Pg 483	/5
Neatness	Color, spelling, contrast, creativity, detail	/4
Phase?	By the moon label what PHASE it is in.	/1
Spring or neap tide	Label under Earth if this alignment causes a Spring or Neap tide (Draw the tide on the Earth) pg 485	/2
Distances (miles)	Write the distance for Earth-to-Sun and Earth-to-Moon on the space between the objects in your main drawing.	/2
Box with Earth Facts	Choose 3 of: Diameter, Composition, Temperature Range, Rate of Rotation, Rate of Revolution	/3
Box with Moon Facts	Choose 3 of: Diameter, Terrain, Temperature Range, Gravity, Rate of Rotation, Rate of Revolution	/3
Box with Sun Facts	Choose 3 of: Volume, Composition, Age (pg 546), Color, Rate of Rotation, Rate of Revolution	/3
Box with Neap Tides Facts	Do all: ★Draw and label the 2 phases of the moon when neap tides occur. ★Draw an example of how the Earth Moon Sun are aligned during a neap tide. ★Exaggerate the level of water to represent where the tides would be on Earth	/4
Box with Spring Tides Facts	Do all: ★Draw and label the 2 phases of the moon when Spring tides occur. ★Is the alignment of earth moon sun in a straight line or a right angle?	/3
	TOTAL GRADE	/30

Hint: when including facts about the Earth/Moon/Sun, it need to make an info box



The Sun:

- Volume: _____ earths can fit inside
- Composition: _____ % H, _____ % He
- Rate of Revolution: _____ years