

STEM Reflections and Conclusions:

1. How can you use the revolution motions within the Sun, Earth, and Moon system to explain the predictable pattern of the lunar cycle?
 - a. Ragaller: Why do we have moon phases?
2. How is a full moon different from a new moon?
 - a. Ragaller: How much is white in a full moon compared to new moon?
3. Why does the illumination of the Moon's surface appear to change when viewed from Earth, even though the Sun continuously illuminates half of the Moon?
 - a. Ragaller: If $\frac{1}{2}$ Moon is always lit up, why don't we see $\frac{1}{2}$ always?
4. How are waxing and Waning different?
 - a. Which word means seeing more light, which mean seeing less light?
5. Contrast the relative positions of the Sun, Earth, and Moo during the full moon phases and the new moon phases.
 - a. Which object (Sun, Earth, Moon) is in the middle during a Full moon, and which is in the middle during a New Moon?
6. If a new moon is seen today, in approximately how many days will a full moon be seen?
 - a. How many days from New moon to Full moon? (NOT FULL TO FULL)
7. What moon phase would you find when the Earth, Sun and Moon make a 90-degree angle to each other?
 - a. What is the name of the moon phases when the Moon is to the side of Earth making the letter L shape?