

Moon Phases: Oreo Lab



Procedure:

1. Each pair of students will receive only **4** Oreo cookies... so **BE CAREFUL NOT TO BREAK/DROP THEM!**
2. Separate your cookies carefully, so that $\frac{1}{2}$ of the cookie has **ALL** of the frosting and the other $\frac{1}{2}$ of the cookie has **NO** frosting.
3. Use your plastic butter knife to scrape off the frosting from the first cookie, making a shape of the waxing crescent. Save your frosting in a pile on the plate so you can use it for other phases.
4. You will continue using the butter knife to scrape off and add the frosting for each of the moon phases.
5. Place the cookies in order on a paper plate and label them correctly.
6. At this point, you need to get signed off by the teacher before you move on.
7. After you have been checked and given the go-ahead, answer the following questions.

Questions

Please use complete sentences to answer the following questions once you have completed the lab.

1. Describe the process that causes the moon to appear as these different phases.

2. How long is one cycle of phases?

3. Why does the same side of the Moon always face Earth?

Diagram

After you complete the lab, draw each phase of the moon. Position 1 would be the new moon. Then label each phase.

