

Modeling Lunar Phases & Events

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In the activity below, you will be using a cream filled sandwich cookie to represent the phases of the moon.

Materials:

4 sandwich cookies (cream-filled)

Paper plate

Plastic spoon

Procedure:

1. Label the paper plate as shown in Figure 1.
2. Gently separate the 4 sandwich cookies (you should now have 8 pieces to represent the phases of the moon).
3. Use the spoon to shape the cream into the shape of the full, new, waxing, or waning moon on each cookie half. The cream should represent the part that is visible to us during the cycle.
4. Place them in the correct places on the paper plate.

Where would the Earth be located? _____

Where would the Sun be located? _____

Explain how the alignment of the earth, sun and moon may cause an eclipse:

Explain what occurs during a lunar eclipse:

Explain what occurs during a solar eclipse:

Figure 1

