

Name:
Date:

Period:

Phases of the Moon: Lunar Lollipops

Procedure:

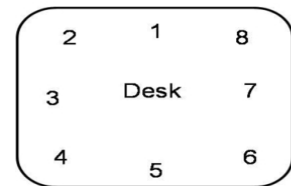
1. Hold the lunar lollipops (moons) at arm's length away from your head. You will be moving your body and arm as the white side of the moon pop stays facing the Sun. You may need to turn the moon pop stick a bit.

2. Start at 1, facing the front of your desk and the Sun. Move counterclockwise to face the top-left corner of your desk. This is a rotation of 45°. Continue to complete the 8 phases of the moon.

REMEMBER: Keep the white side of the moon facing the Sun!

3. Record your observations on your data sheet in the Phases of the Moon diagram.

4. Use the "Moon Phase Descriptions" to help label the names of the moon phases.



Moon Phase Descriptions:

New Moon

- The moon is between the Sun and the Earth. You see the shadowed side of the moon.

Waxing Crescent/New Crescent

- Rotate counter clockwise from a New Moon towards a First Quarter. A backwards "c" shape will appear on the moon where light is received from the Sun.

First Quarter

- Rotate clockwise until the right half of the moon facing the Sun is lit. Your right shoulder is pointed towards the sun.

Waxing Gibbous/New Gibbous

- Most of the moon is lit. The left side of the moon looks like a small dark "C" shape.

Full Moon

- Earth is between the moon and the Sun. The entire lit side of the moon is visible on Earth. Your back is to the Sun and moon is lifted up so it is lit.

Waning Gibbous/Old Gibbous

- Rotate from a Full Moon towards a Last Quarter. Less of the moon is lit each night. A thin dark "C" is on the right side.

Last Quarter

- Left half of the side of the moon facing the earth is lit. Your left shoulder is pointing to the Sun.

Waning Crescent/Old Crescent

- Rotate from a Last Quarter towards a New Moon. A "C" shape of light is seen on the left side of the moon.