

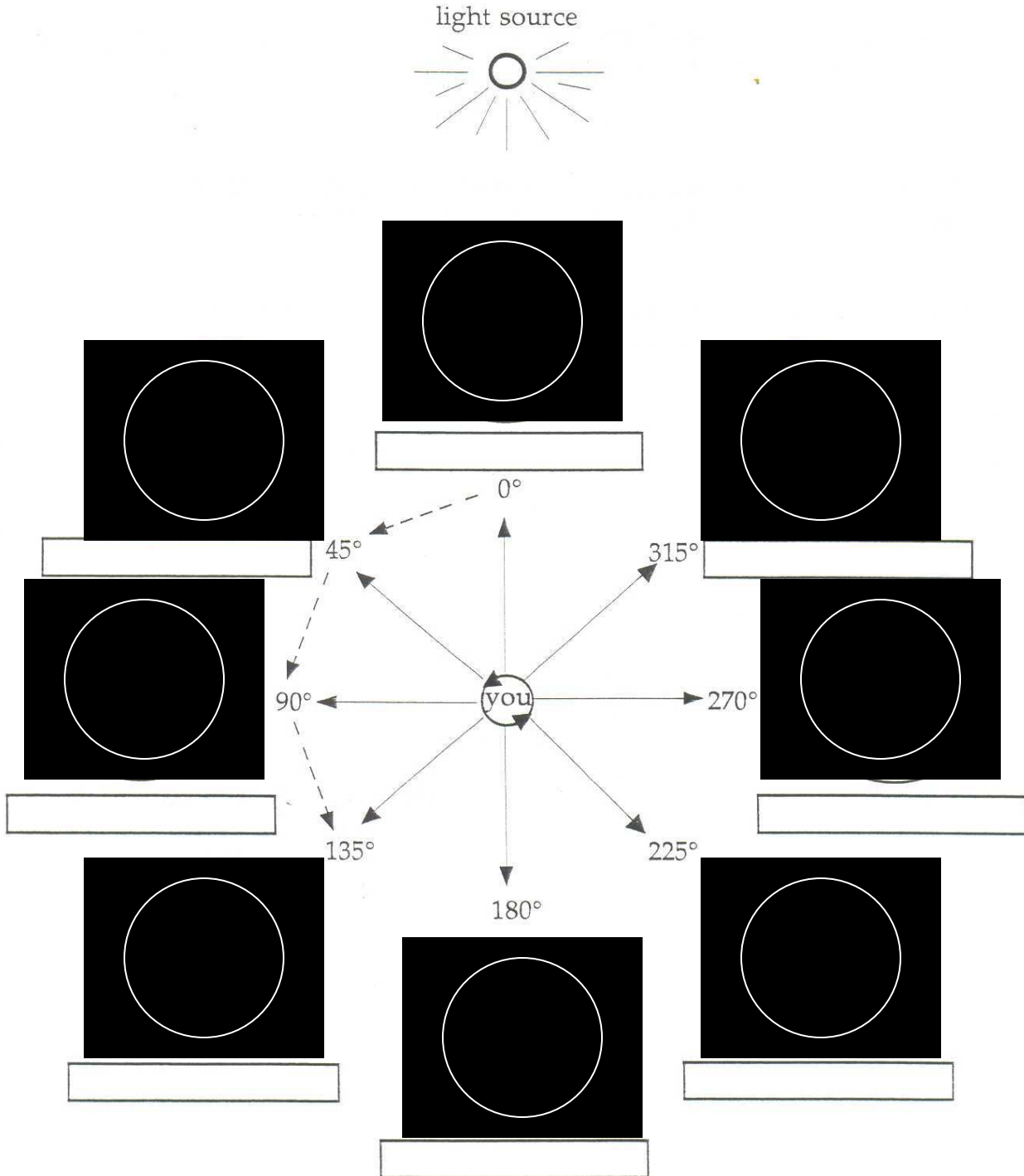
# Lunar Cycle Lab

Name: \_\_\_\_\_

## Another View

Per: \_\_\_\_\_

Use the diagram below to put the moon phases in perspective so that you can see where Earth (you), the moon (the Styrofoam ball), and the sun (light source) are to produce the phases as you see them. Copy your phase illustrations in the correct places below. Label them once again.



## Analysis

1. What does the light source represent in this model?
2. What do YOU represent in this model?
3. Unlike the sun, the moon and Earth do not produce their own light. How is it possible for you to see the moon?
4. How much of the moon's surface is illuminated by the sun at any one time, regardless of how much of that light can be seen from Earth?
5. Sketch and label the relative positions of the Earth, moon, and sun when *all* of the side of the moon that you can see from Earth appears to be illuminated.
6. Sketch and label the relative positions of the Earth, moon, and sun during the phase when you are *not able to see* an illuminated moon from Earth.