

Moon Phase Activity

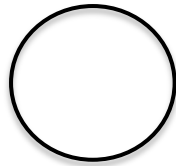
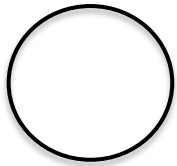
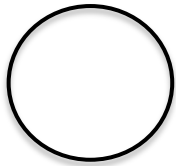
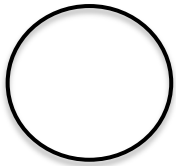
1. Face the lamp and carefully hold the stick at arm's length in front of and **slightly above your head**. The ball should be between you and the lamp. **Do not stare directly into the light bulb.**
2. Have your partner stand directly behind you and observe what part of the ball he or she sees lit by the lamp. Discuss the observation with your partner and draw the shape in the first circle below. *Hint: Shade the circle to represent the shadowed portion of the ball.*
3. Rotate 45 degrees clockwise and repeat Step 2. Draw what your partner observes in the second circle.
4. Continue to rotate 45 degrees and repeat Step 2 and 3 until you have come full circle.

Facing lamp

45° CC

90° CC

135° CC

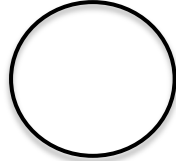
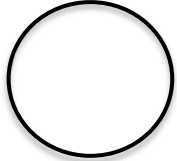
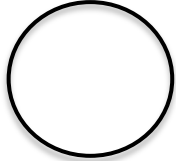
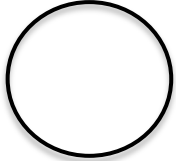


180° CC

225° CC

270° CC

315° CC



Eclipse Activity: Do the activity, and draw/label model

1. Stand facing the lamp, slowly move the moon until its shadow falls across your face (Earth). This models a solar eclipse.

2. Face away from the lamp, slowly move the moon until it falls into the shadow of your face. This models a lunar eclipse.

Phase Activity

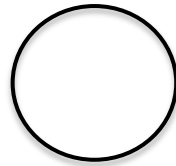
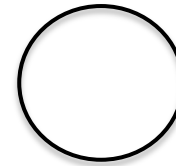
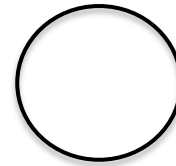
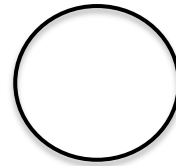
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90° CC

135° CC

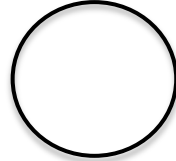
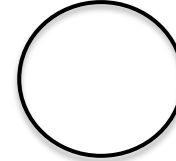
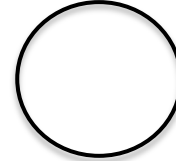
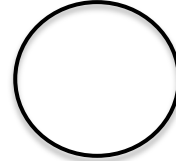


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