



Eclipses: Student Activity Sheet

Name: _____

Date: _____

Part 1: Lunar Eclipse - Exploration

Draw the order of the light bulb (sun), your head (Earth), and the foam ball (moon).

Part 2: Lunar Eclipse - Simulation

Stand about 10 feet away from the sun and turn your back to it. Raise the moon in front of you so that the moon is in line with the bulb (Sun) and your head (Earth).

What do you notice? _____

Part 3: Solar Eclipse - Exploration

Draw the order of the light bulb (sun), your head (Earth), and the foam ball (moon).

Part 4: Solar Eclipse - Simulation

Stand about 10 feet away from the sun and hold the moon toward the sun. Raise the moon in front of you so that the moon is in line with the bulb (Sun) and your head (Earth).

What do you notice? _____

Part 5: Claims and Evidence

Using your materials, explore the statements below and decide if you agree or disagree. **Use evidence to support your claim.**

1. You hear one of your friends say “Lunar eclipses can occur during all phases of the moon: new, full, first quarter, and third quarter.” _____

2. You hear one of your friends say “It is impossible to have a solar eclipse with a full moon.”
