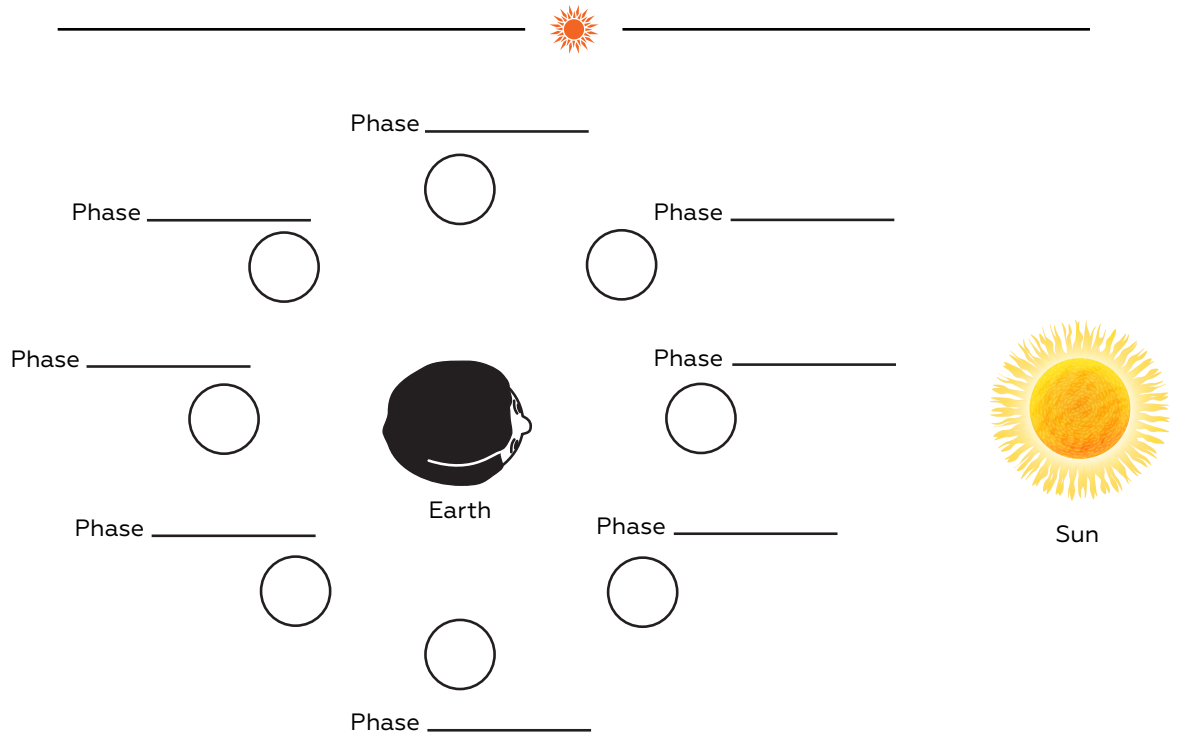


## Causes of Lunar Phases and Eclipses Diagram



1. Cut off the top half of the "Causes of Lunar Phases and Eclipses Diagram" along the dotted line and attach it to a blank page in your astronomy lab notebook.
2. Cut out each of the eight Moon phase images on the bottom half of the worksheet and attach each one at an appropriate place on the diagram, showing where the Moon must be located in its orbit to produce that phase.
3. Label the appropriate phase for the Moon when people on the Earth can see a lunar or a solar eclipse.
4. At the bottom of the page, explain what causes the lunar phases and eclipses. Be sure to include explanations regarding these specific items:
  - a. Explain the way the light from the Sun falls on the Moon and how this produces the phases we see. Include detailed explanations for at least two different phases on your diagram.
  - b. Answer the question, "Why can't solar and lunar eclipses occur at other phases than the ones you indicate?"