Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class Period\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Reflecting on Lesson 5.1:**

Earth in Space Lesson 5.1: Investigating the Moon’s Reflected Light.

1. As seen from space, how much of the Moon is illuminated by the Sun at each position as the Moon orbits Earth? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   1. Draw a circle that connects the center of each completed Moon on Student Sheet 5.1. Then cut along that circle (see picture in student guide pg 66). Glue the circle to the back of this page.
   2. Analyze the circle that you have cut out. List each position of the Moon (1-8) and write how much of the Moon’s lighted side can be seen from Earth as the Moon orbits around the Earth.

(all, ¾, ½, ¼, none)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Given your results from Inquiry 5.1, why do you think the Moon appears to change shape when viewed from earth? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Write a paragraph summarizing your observations from this inquiry (5-7 sentences. Hint: Include your observations from the lab and what you learned from questions 1-3).

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