



Name: _____ #: _____

Date: _____

Section: _____ HR: _____

Chapter 1 Section 4 Study Guide: Earth's Moon

Discover: Why Do Craters Look Different From Each Other?

Think It Over

Developing Hypotheses In which steps do you think the marbles were moving faster when they hit the sand? If objects hitting the moon caused craters, how did the speeds of the objects affect the sizes of the craters? How did the masses of the objects affect the sizes of the craters?

The Structure and Origin of the Moon

The moon is _____ kilometers in diameter, a little less than the distance across the _____.

The moon only contains _____ - _____ as much mass as Earth.

The theory that best fits how the moon was formed is known as the _____ theory.

Explain this theory.

Looking at the Moon From Earth

In 1609, the Italian astronomer _____ made a telescope by putting two lenses in a wooden tube.

telescope: _____

crater: _____

What caused craters to form on the moon's surface?

Checkpoint (page 41)

What are maria?

Guide For Reading

What features of the moon can be seen with a telescope?

Missions to the Moon

For what reason did the unmanned spacecraft *Surveyor* land on the moon?

On July 20, 1969 Apollo 11 astronauts _____ & _____
_____ launched a lunar module called _____, leaving Mike Collins in orbit in
the Command Module.

Figure 21 **Inferring** Why was it important for the lunar module to land on a flat spot on the moon?

What was almost all of the moon rocks made of?

Checkpoint (page 43)

What did scientists discover about interior of the moon as a result of the moon landings?

Figure 23 **Observing** What are the round features in this photograph called?

Guide For Reading

How did the Apollo landings help scientists learn about the moon?
