**Chapter 3 Space Science** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

In what ways do all humans employ scientific thinking?

How did astronomical observations benefit ancient societies?

What did ancient civilizations achieve in astronomy?

Why does modern science trace its roots to the Greeks?

How did the Greeks explain planetary motion?

How was Greek knowledge preserved through history?

How did Copernicus, Tycho, and Kepler challenge the Earth-centered idea?

Copernicus:

Tycho:

Kepler:

What are Kepler’s three laws of planetary motion?

1.

2.

3.

How did Galileo solidify the Copernican revolution?

How can we distinguish science from non-science?

1.

2.

3.

What is a scientific theory?

How is astrology different from astronomy?