Chapter 2 Space Science Notes Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What does the universe look like from Earth?

What is the Celestial Sphere?

Why do stars rise and set?

Why do the constellations we see depend on latitude and time of year?

What is the “plane of the ecliptic?”

What is the zenith?

What do we mean by horizon?

Where is the meridian?

What is latitude (regarding position on Earth)?

What is longitude?

How does the orientation of Earth’s axis change with long periods of time?

How many arc seconds in one degree? (Show calculation)

Why do we see phases of the Moon?

What causes eclipses?

When can eclipses occur?

What was once so mysterious about planetary motion in our sky?

Why did the ancient Greeks reject the real explanation for planetary motion?