

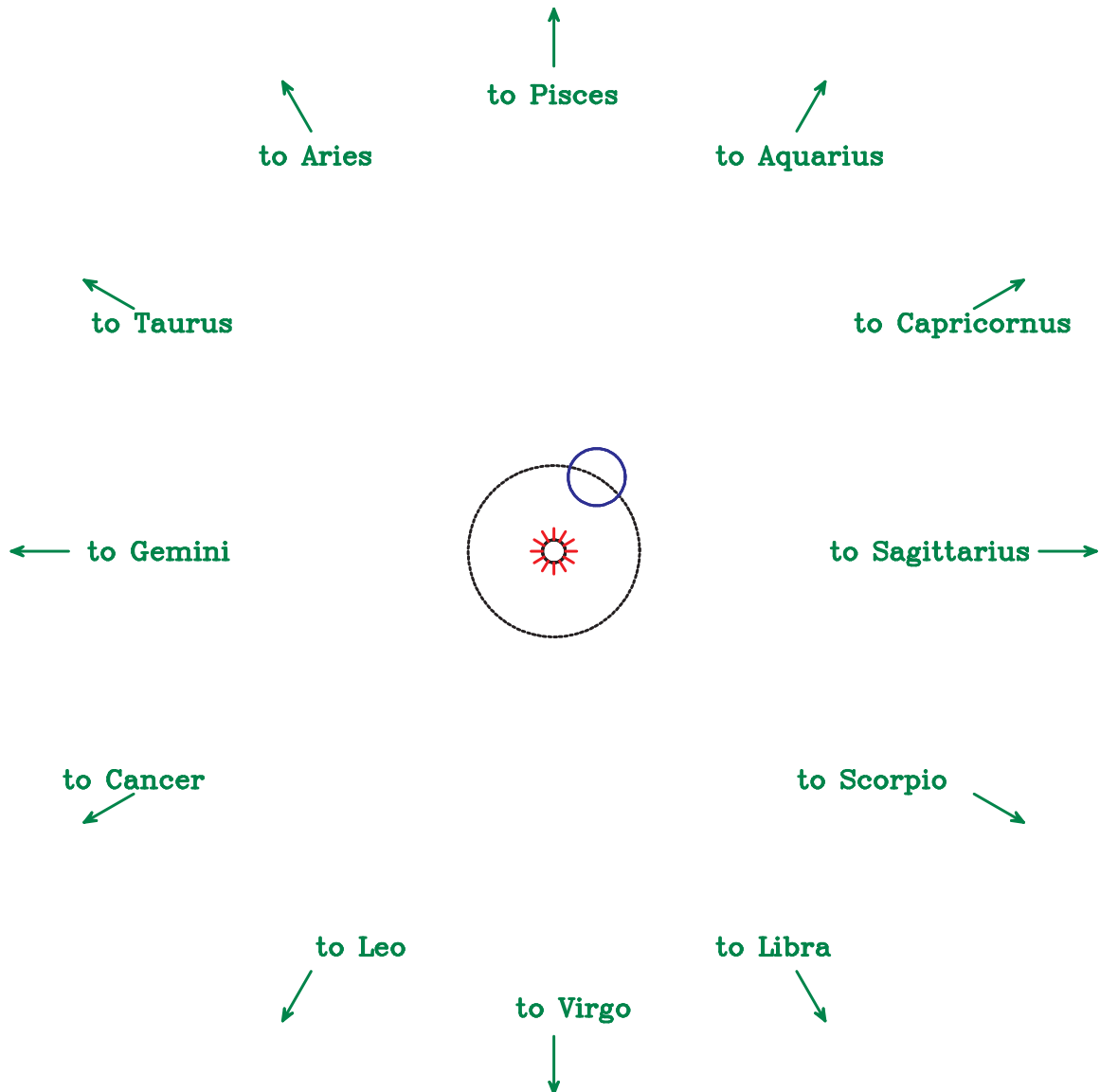
QUIZ 2 – THE MOTION OF THE ZODIAC

Name: _____

Lab Section: M0_____
(if you want your paper back)

For this quiz, you may use your Homework 2 or anything you yourself have handwritten, but may not consult with anyone else or use electronic devices.

Turn your paper into the boxes by the doors.



This is a diagram of the Earth in September, seen from above the North Pole. From this perspective, the Earth rotates on its axis counterclockwise and orbits the Sun counterclockwise.

The questions are on the back page.

1. Draw a stick figure in a location on the Earth (shown in the diagram) that is shortly after sunset.
2. Which constellations in the Zodiac would your observer see:
 - (a) Low above the eastern horizon
 - (b) High in the sky
 - (c) Low above the western horizon
3. How long would your observer need to wait after September before the constellation Virgo was directly behind the Sun? (*The Earth drawn on the diagram is in September.*)
4. Four months after September, an observer looks up at the sky at midnight. What constellations in the Zodiac would they see:
 - (a) Low above the eastern horizon
 - (b) High in the sky
 - (c) Low above the western horizon