Guided Notes for the Solar System (29.1)

1. In 1543, Copernicus suggested that the ______________. This is known as the ______________ model of the solar system.

2. In a heliocentric model, the inner planets ______________.

3. Kepler’s first law states that ______________. An ellipse is an ______________ instead of a single point, as in a circle.

4. Each planet’s elliptical orbit is a ______________, and the ______ is always at one ____________.

5. The length of time it takes for a planet to travel a complete elliptical orbit around the Sun is ______________.

6. Kepler’s second law found that ______________.

7. Issac Newton’s law of universal gravitation states that ______________.