**Modeling Celestial Motion Model Reading Assignment**

**Outcome:** Describe and explain the apparent motion of celestial bodies (312-4)

Read text book pages 435-442; answer the following on a separate sheet of loose-leaf:

1. When were the geocentric (Earth-centered) and heliocentric (Sun-centered) models developed?
2. Describe the geocentric and heliocentric models using a t-chart like the one below:

|  |  |
| --- | --- |
| Geocentric (Earth-Centered) | Heliocentric (Sun-Centered) |
|  |  |

1. How is the heliocentric model different from the geocentric model?
2. What did the Earth center model provide (in relation to celestial bodies)?
3. What did the Earth-center model have difficulty explaining?
4. How did Johannes Kepler further the development of the sun-centered model?
5. When was Uranus discovered?
6. Which planet was discovered using the sun-centered model and Newton’s Law?

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