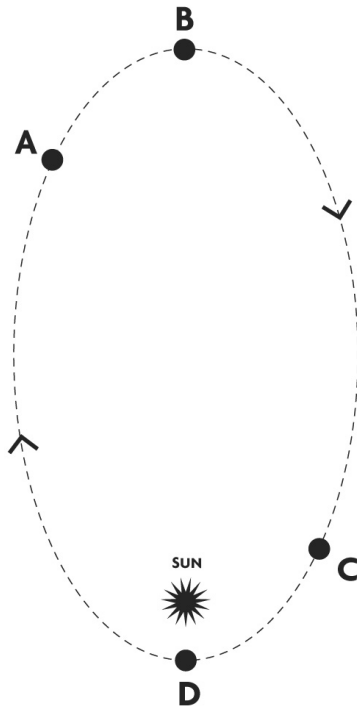


# Astronomy Ranking Task: Kepler's Laws - Orbital Motion

## Exercise #2

**Description:** The figure below shows four locations (A – D) of an asteroid during its elliptical orbit around the Sun.



**Ranking Instructions:** Rank the speed (from fastest to slowest) that the asteroid would have at each of the four locations.

**Ranking Order:** Fastest 1 \_\_\_\_ 2 \_\_\_\_ 3 \_\_\_\_ 4 \_\_\_\_ Slowest

Or, the orbital speed at each location would be the same. \_\_\_\_\_ (indicate with check mark).

**Carefully explain** your reasoning for ranking this way:

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