

Name _____

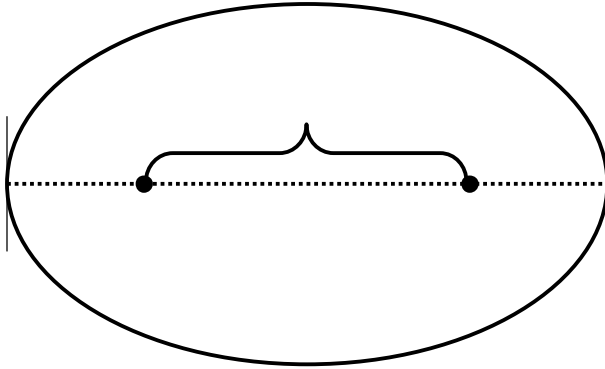
Date: / /

Notes: The Planets

Kepler's Laws of Planetary Motion

Kepler's belief that planets orbit the sun is an example of a _____ planetary model.

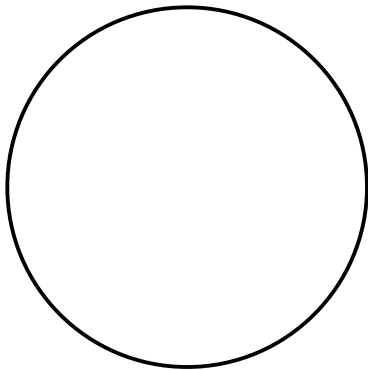
Law 1: _____



Eccentricity = _____

Eccentricity: _____

Eccentricity = _____



Eccentricity = _____ =
(circle)



Eccentricity = _____ =
(line)

As the distance between between the foci increases the eccentricity _____ (_____)

The Earth's orbit has an eccentricity of _____ (see ESRT p____) making it look like a _____.

Earth's eccentric orbit causes it to be closest to the sun on the _____ and farthest on the _____.

As a result its orbital velocity is greatest and the sun appears largest on the _____.

