

Name: _____

Date: _____ Period: _____

Supplemental: Eccentricity

Directions: Answer the following questions using the Eccentricities of the Planets chart below and your knowledge of ellipses. The planets are listed in order from the Sun.

ECCENTRICITIES OF THE PLANETS

Planet	Eccentricity
Mercury	0.206
Venus	0.007
Earth	0.017
Mars	0.093
Jupiter	0.048
Saturn	0.056
Uranus	0.047
Neptune	0.009

1. Which planet has the most eccentric orbit?
2. Which planet has the least eccentric orbit?
3. Which planets have nearly the same eccentric orbits?
4. List the planets in order of increasing eccentricity of their orbits.
5. Is there a direct relationship between the eccentricity of orbit and the distance from the sun?