

Name: _____

COMPARING PLANETARY ORBITS

Use the information provided to answer the Student Questions below

Student Questions

1. How many orbits does Mercury make for each Earth orbit?
2. How long is a year on Jupiter (one revolution)? How does this compare to Earth?
3. If you lived on Venus, would you have made more or less trips around the Sun? How old would you be in Venusian years?
4. If Venus and the Earth are next to each other when they start to revolve, how long will it be until they BOTH get back to their approximate starting position at the same time?

This table contains the number of complete orbits each planet makes in 1 Earth year.

	Mercury	Venus	Earth	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto
# of Revolutions	4	1 1/2	1	1/2	1/12	1/30	1/80	1/160	1/250

*1 AU is one Astronomical Unit.

One AU is the average distance between Earth and Sun = 149.6 million km or ~ 93 million miles

