Name _____ Date _____ Period _____ Page____

How Do Planets Compare In Size With The Sun?

Objective: _____

_____

Research: (listed in order from the Sun)

Mercury:_____

_____

Venus:_____

_____

Earth:_____

_____

Mars:_____

_____

Asteroid Belt:_____

_____

Jupiter:_____

_____

Saturn:_____

_____

Uranus:_____

_____

Neptune:_____

_____

Pluto:_____

_____

Activity: The chart shows each planet, and Pluto. Use the scale of 1 millimeter equals 10,000 miles to calculate the millimeters distance of each planet's diameter. Record your answers on the chart. ***HINT***: Divide by 10,000 into diameter in miles.

Object	Distance from the Sun (miles)	Distance from the Sun (AU)	Diameter (miles)	Millimeter (mm) Diameter
Sun			866,000	
Mercury	36 Million	0.39	3,032	
Venus	67 Million	0.72	7,521	
Earth	93 Million	1.0	7,926	
Mars	142 Million	1.5	4,222	
Jupiter	483 Million	5.2	88,846	
Saturn	870 Million	9.6	74,898	
Uranus	1.8 Billion	19.2	31,763	
Neptune	2.8 Billion	30.0	30,778	
Pluto	3.7 Billion	39.2	1,430	

* Measure and draw out each millimeter diameter on your paper. ***NOTE:*** Some of the diameters are very small, make a dot with a pen or pencil to match the planet's diameter. (Do the best you can)

* DISTANCES FROM THE SUN WILL ***NOT*** BE TO SCALE!

QUESTIONS

1. If all the planets were placed side by side inside of the Sun, how much of the Sun's diameter (mm) would be covered?

2. How many Jupiters (mm) placed side by side would equal the Sun's diameter (mm)?

3. If your space vehicle