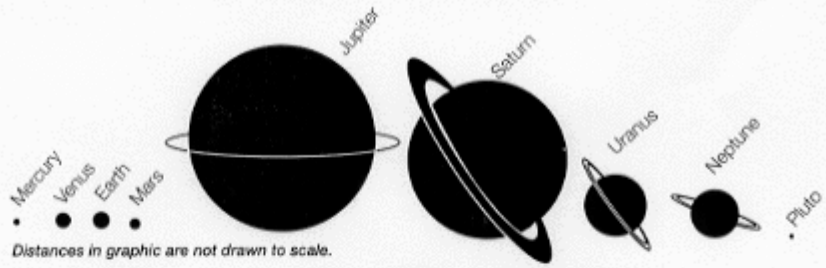
The Planets at a Glance

NAME _____

DATA SHEET 2
THE PLANETS AT A GLANCE



Distances in graphic are not drawn to scale.

	Mercury	Venus	Earth	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto
Mean Distance from the Sun									
Millions of Kilometers	57.9	108.2	149.6	227.9	778.3	1427	2871	4497	5913
Millions of Miles	36	67.2	93	141.5	483.3	886.2	1782.9	2792.6	3672
Period of Revolution	87.9 days	224.7 days	365.3 days	687.0 days	11.86 years	29.46 years	84.0 years	165.0 years	248.0 years
Period of Rotation (in Earth time)	58.9 days	243 days retrograde	23 h, 56 min	24 h, 37 min	9 h, 55 min	10 h, 40 min	17 h, 12 min retrograde	16 h, 7 min	6.39 days retrograde
Inclination of Axis	0.0°	177.2°	23°27′	25°12′	3°5′	26°4′	97°55′	28°48′	120°
Inclination of Orbit to Ecliptic	7°	3.4°	0°	1.85°	1.3°	2.5°	0.8°	1.8°	17.1°
Eccentricity of Orbit	0.206	0.007	0.017	0.093	0.048	0.056	0.046	0.009	0.248
Equatorial Diameter									
Kilometers	4880	12100	12756	6786.8	143200	120000	51800	49528	~2330
Miles	3031	7514	7921	4215	88927	74520	32168	30757	~1447
Atmosphere	Essentially none	Carbon dioxide	Nitrogen, Oxygen	Carbon dioxide	Hydrogen, Helium	Hydrogen, Helium	Hydrogen, Helium, Methane	Hydrogen, Helium, Methane	Methane + ?
Number of Satellites	0	0	1	2	16	18+ (?)	15	8	1
Number of Rings	0	0	0	0	1	1000 (?)	11	4	0

For further explanation of some of the concepts and relationships in this chart, refer to the *Mission Mathematics: Grades 9–12* poster on orbits.

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