Planetary Fact Sheet - Metric

	MERCURY	<u>VENUS</u>	EARTH	MOON	MARS	JUPITER	<u>SATURN</u>	<u>URANUS</u>	NEPTUNE	<u>PLUTO</u>
Mass (10 ²⁴ kg)	0.330	4.87	5.97	0.073	0.642	1898	568	86.8	102	0.0130
Diameter (km)	4879	12,104	12,756	3475	6792	142,984	120,536	51,118	49,528	2376
Density (kg/m ³)	5429	5243	5514	3340	3934	1326	687	1270	1638	1850
Gravity (m/s ²)	3.7	8.9	9.8	1.6	3.7	23.1	9.0	8.7	11.0	0.7
Escape Velocity (km/s)	4.3	10.4	11.2	2.4	5.0	59.5	35.5	21.3	23.5	1.3
Rotation Period (hours)	1407.6	-5832.5	23.9	655.7	24.6	9.9	10.7	-17.2	16.1	-153.3
Length of Day (hours)	4222.6	2802.0	24.0	708.7	24.7	9.9	10.7	17.2	16.1	153.3
Distance from Sun (10 ⁶ km)	57.9	108.2	149.6	0.384*	228.0	778.5	1432.0	2867.0	4515.0	5906.4
Perihelion (10 ⁶ km)	46.0	107.5	147.1	0.363*	206.7	740.6	1357.6	2732.7	4471.1	4436.8
Aphelion (10 ⁶ km)	69.8	108.9	152.1	0.406*	249.3	816.4	1506.5	3001.4	4558.9	7375.9
Orbital Period (days)	88.0	224.7	365.2	27.3*	687.0	4331	10,747	30,589	59,800	90,560
Orbital Velocity (km/s)	47.4	35.0	29.8	1.0*	24.1	13.1	9.7	6.8	5.4	4.7
Orbital Inclination (degrees)	7.0	3.4	0.0	5.1	1.8	1.3	2.5	0.8	1.8	17.2
Orbital Eccentricity	0.206	0.007	0.017	0.055	0.094	0.049	0.052	0.047	0.010	0.244
Obliquity to Orbit (degrees)	0.034	177.4	23.4	6.7	25.2	3.1	26.7	97.8	28.3	119.5
Mean Temperature (C)	167	464	15	-20	-65	-110	-140	-195	-200	-225
Surface Pressure (bars)	0	92	1	0	0.01	Unknown*	Unknown*	Unknown*	Unknown*	0.00001
Number of Moons	0	0	1	0	2	95	274	28	16	5
Ring System?	No	No	No	No	No	Yes	Yes	Yes	Yes	No

Global Magnetic Field?	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes	Unknown
	MERCURY	<u>VENUS</u>	EARTH	MOON	MARS	JUPITER	<u>SATURN</u>	<u>URANUS</u>	NEPTUNE	<u>PLUTO</u>

^{* -} See the <u>Fact Sheet Notes.</u>

Planetary Fact Sheet in U.S. Units

Planetary Fact Sheet - Values compared to Earth

Index of Planetary Fact Sheets - More detailed fact sheets for each planet

Notes on the Fact Sheets - Explanations of the values and headings in the fact sheet

<u>Schoolyard Solar System</u> - Demonstration scale model of the solar system for the classroom

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