

Tabelle2

Planetary Fact Sheet – Metric

	MERCURY	VENUS	EARTH	MOON	MARS	JUPITER	SATURN	URANUS	NEPTUNE
Mass (10^{24} kg)	330	4.87	5.97	73	642	1898	568	86.8	102
Diameter (km)	4879	12.104	12.756	3475	6792	142.984	120.536	51.118	49.528
Density (kg/m ³)	5429	5243	5514	3340	3934	1326	687	1270	1638
Gravity (m/s ²)	3.7	8.9	9.8	1.6	3.7	23.1	9.0	8.7	11.0
Escape Velocity (km/s)	4.3	10.4	11.2	2.4	5.0	59.5	35.5	21.3	23.5
Rotation Period (hours)	1407.6	-5832.5	23.9	655.7	24.6	9.9	10.7	-17.2	16.1
Length of Day (hours)	4222.6	2802.0	24.0	708.7	24.7	9.9	10.7	17.2	16.1
Distance from Sun (10^6 km)	57.9	108.2	149.6	0.384*	228.0	778.5	1432.0	2867.0	4515.0
Perihelion (10^6 km)	46.0	107.5	147.1	0.363*	206.7	740.6	1357.6	2732.7	4471.1
Aphelion (10^6 km)	69.8	108.9	152.1	0.406*	249.3	816.4	1506.5	3001.4	4558.9
Orbital Period (days)	88.0	224.7	365.2	27.3*	687.0	4331	10.747	30.589	59.8
Orbital Velocity (km/s)	47.4	35.0	29.8	1.0*	24.1	13.1	9.7	6.8	5.4
Orbital Inclination (degrees)	7.0	3.4	0.0	5.1	1.8	1.3	2.5	0.8	1.8
Orbital Eccentricity	206	7	17	55	94	49	52	47	10
Obliquity to Orbit (degrees)	34	177.4	23.4	6.7	25.2	3.1	26.7	97.8	28.3
Mean Temperature (C)	167	464	15	-20	-65	-110	-140	-195	-200
Surface Pressure (bars)	0	92	1	0	0.01	Unknown*	Unknown*	Unknown*	Unknown*
Number of Moons	0	0	1	0	2	95	146	28	16
Ring System?	No	No	No	No	No	Yes	Yes	Yes	Yes
Global Magnetic Field?	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes
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Sun Fact Sheet

	Sun	Earth	Ratio (Sun/Earth)
Mass (10^{24} kg)	1,988,400.	5.9722	332,900.
GM ($\times 10^6$ km³/s²)	132,712.	0.39860	332,900.
<i>g (m/s²)</i>	274.19920256363	9.8202396025	
Volume (10^{12} km³)	1,412,000.	1083	1,304,000.
Volumetric mean radius (km)	695,700.	6371.	109.2
Mean density (kg/m³)	1408.	5514.	255
Surface gravity (eq.) (m/s²)	274.0	9.78	28.0
Escape velocity (km/s)	617.6	11.19	55.2
Ellipticity	0.00005	0.0034	15
Moment of inertia (I/MR²)	70	0.3308	212
Visual magnitude V(1,0)	-26.74	-3.86	-

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PLUTO

0.0130

2376

1850

0.7

1.3

-153.3

153.3

5906.4

4436.8

7375.9

90.56

4.7

17.2

244

119.5

-225

0.00001

5

No

Unknown

PLUTO