

13.1: Appendix H- Astronomical Data

Celestial Object	Mean Distance from Sun (million km)	Period of Revolution (d = days) (y = years)	Period of Rotation at Equator	Eccentricity of Orbit
Sun	—	—	27 d	—
Mercury	57.9	88 d	59 d	0.206
Venus	108.2	224.7 d	243 d	0.007
Earth	149.6	365.26 d	23 h 56 min 4 s	0.017
Mars	227.9	687 d	24 h 37 min 23 s	0.093
Jupiter	778.4	11.9 y	9 h 50 min 30 s	0.048
Saturn	1426.7	29.46 y	10 h 14 min	0.054
Uranus	2871.0	84.0 y	17 h 14 min	0.047
Neptune	4498.3	164.8 y	16 h	0.009
Earth's Moon	14639 (0.386 from Earth)	27.3 d	27.3 d	0.055

Celestial Object	Equatorial Diameter (km)	Mass (Earth = 1)	Density (g/cm ³)
Sun	1,392,000	333,000.00	1.4
Mercury	4879	0.06	5.4
Venus	12,104	0.82	5.2
Earth	12,756	1.00	5.5
Mars	6794	0.11	3.9
Jupiter	142,984	317.83	1.3
Saturn	120,536	95.16	0.7
Uranus	51,118	14.54	1.3
Neptune	48,528	17.15	1.6
Earth's Moon	3476	0.01	3.3

Other Data:

Mass of Earth: 5.97×10^{24} kg

Mass of the Moon: 7.36×10^{22} kg

Mass of the Sun: 1.99×10^{30} kg

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