Solar Data

	Value	Compared with Earth
Diameter	1,392,000 km	109.2
Mass	1.9891×10^{30} kg	332,980
Average density	1.41 g/cm^3	0.255
Surface gravity	274 m/s^2	28.0
Escape speed	618 km/s	55.2
Effective temperature	5778 K	
Luminosity	3.846×10^{26} watts	
Absolute magnitude	4.83	
Tilt of equator to ecliptic	7.25°	
Sidereal rotation period		
Equator	25.05 days	
40° latitude	27.40 days	
80° latitude	33.83 days	

Planetary Data

Physical Data

Planet	Equatorial Diameter* (km)	Equatorial Diameter* (Earth = 1)	Oblateness	Mass** (Earth=1)	Density (g/cm^3)	Surface Gravity*** (Earth =1)	Escape Speed (km/s)
Mercury	4,879	0.383	0	0.055	5.43	0.38	4.30
Venus	12,104	0.949	0	0.815	5.24	0.91	10.36
Earth	12,756	1	0.00335	1	5.52	1	11.19
Mars	6,794	0.533	0.0065	0.107	3.93	0.38	5.03
Jupiter	142,984†	11.2	0.065	317.83	1.33	2.36†	59.5
Saturn	120,536†	9.4	0.098	95.2	0.69	0.92†	35.5
Uranus	51,118†	4.0	0.023	14.5	1.27	0.89†	21.3
Neptune	49,528†	3.9	0.017	17.1	1.64	1.12†	23.5
Pluto§	2,390	0.2	0	0.002	1.75	0.06	1.1

* Equatorial diameter of Earth = 12,756 km.
** Mass of Earth = 5.9736×10^{24} kg.
*** Surface gravity of Earth = 9.78 m/s^2.
† At 1 bar.
§ Dwarf planet

The Brightest Stars

Star	Popular Name	Apparent Magnitude	Apparent Brightness Compared*	Absolute Magnitude	Absolute Luminosity Compared**	Distance (ly)	Spectral Type
	Sun	−26.72	1.31×10^{10}	4.85	1	0.000015	G2
α CMa A	Sirius	−1.43	1	1.47	22.49	8.58	A1
α Car	Canopus	−0.62	0.474	−5.53	14,191	313	A9
α Boo	Arcturus	−0.05	0.281	−0.31	115.88	36.74	K2
α Cen A	Rigil Kentaurus	0.01	0.265	4.38	1.542	4.36	G2
α Lyr	Vega	0.03	0.261	0.58	51.05	25.32	A0
α Aur	Capella	0.08	0.249	−0.48	135.52	42.2	G5
β Ori A	Rigel	0.14	0.236	−6.62	38,726	733	B8
α CMi A	Procyon	0.38	0.189	2.66	7.516	11.42	F5
α Ori	Betelgeuse	0.45(v)†	0.177	−5.14 (v)	9,908	428	M2
α Eri	Achernar	0.45	0.177	−2.77	1,117	144	B3
β Cen	Hadar	0.61(v)	0.153	−5.42 (v)	12,823	525	B1
α Aql	Altair	0.77	0.132	2.21	11.38	16.79	A7
α Cru A	Acrux	0.77	0.132	−4.19	4,130	321	B1
α Tau A	Aldebaran	0.87(v)	0.120	−0.63 (v)	155.60	65.1	K5
α Vir	Spica	0.98(v)	0.109	−3.55 (v)	2,291	262	B1
α Sco A	Antares	1.06(v)	0.101	−5.28 (v)	11,272	604	M1
β Gem	Pollux	1.16	0.0920	1.09	31.92	33.74	K0
α Ps A	Fomalhaut	1.17	0.0912	1.74	17.54	25.09	A3
α Cyg	Deneb	1.23	0.0863	−7.23	67,920	1600	A2
β Cru	Becrux	1.25(v)	0.0847	−3.92 (v)	3,221	352	B0.5
α Cen B		1.34	0.0780	5.71	0.453	4.36	K0
α Leo A	Regulus	1.36	0.0765	−0.52	140.60	77.5	B7

* Compared with Sirius, the brightest star other than the Sun.
** Compared with the Sun.
† The symbol "(v)" indicates a variable star.