

	MERCURY	VENUS	EARTH	MOON	MARS	JUPITER	SATURN	URANUS	NEPTUNE	PLUTO	
Mass	0.0553	0.815	1	0.0123	0.107	317.8	95.2	14.5	17.1	0.0021	M
Diameter	0.383	0.949	1	0.2724	0.533	11.21	9.45	4.01	3.88	0.187	$2R$
Density	0.984	0.951	1	0.605	0.713	0.240	0.125	0.230	0.297	0.317	ρ
Gravity	0.378	0.907	1	0.166	0.377	2.36	0.916	0.889	1.12	0.059	g
Escape Velocity	0.384	0.926	1 (11.2 $\frac{km}{s}$)	0.213	0.450	5.32	3.17	1.90	2.10	0.098	V_{esc}
Rotation Period	58.8	-244	1	27.4	1.03	0.415	0.445	-0.720	0.673	6.41	P
Length of Day	175.9	116.8	1	29.5	1.03	0.414	0.444	0.718	0.671	6.39	L. day
Distance from Sun	0.387	0.723	1	0.00257*	1.52	5.20	9.58	19.20	30.05	39.24	a
Perihelion	0.313	0.731	1	0.00247*	1.41	5.03	9.20	18.64	30.22	30.15	Per
Aphelion	0.459	0.716	1	0.00267*	1.64	5.37	9.96	19.75	29.89	48.02	Aph
Orb. Period	0.241	0.615	1	0.0748	1.88	11.9	29.4	83.7	163.7	248.0	P_{orb}
Orb. Velocity	1.61	1.18	1 (29.8 $\frac{km}{s}$)	0.0344	0.810	0.439	0.325	0.229	0.182	0.158	V_{orb}
Orb. Eccentricity	12.3	0.401	1	3.29	5.60	2.93	3.38	2.74	0.677	14.6	e
Axial Tilt	0.0004	0.113*	1	0.285	1.07	0.133	1.14	4.17*	1.21	2.45*	i_p
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Surface Pressure	0	92	1	0	0.01	Unknown*	Unknown*	Unknown*	Unknown*	0	P_s
Number of Moons	0	0	1	0	2	63	47	27	13	1	#Moons
Ring System?	No	No	No	No	No	Yes	Yes	Yes	Yes	No	Rings?
Dipole (gauss- R_p^3)	0.0033		0.3076			4.28	0.210	0.228	0.142	Unknown	D (gauss- R_p^3)
Atm. Density (kg/m ³)		~ 65	1.217		0.020	0.16	0.19	0.42	0.45		ρ_A (kg/m ³)
Mean mol. weight		43.45	28.97		43.34	2.22	2.07	2.64	2.61	20.5	$\bar{\mu}_M$
Scale height(km)		15.9	8.5		11.1	27	59.5	27.7	19.7	60	H (km)
Temperature (K)	440	737	288	100	210	165	134	76	72	50	T (K)
Temp 0.1 bar				400		112	84	53	55		$T_{0.1bar}(K)$
Composition	42 O2 29 Na 22 H2	95.9 CO2 3.5 N2	78 N2 20 O2	25 H 25 Ne 25 H2	95.3 CO2 2.7 N2 1.6 Ar	89.8 N2 10.2 He2	96.3 H2 3.25 He	82.5 H2 15.2 He 2.3 CH4	80 H2 19 He 1.5 CH4	CH4 N2	Comp.
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Most of above info was taken from NASA's Planetary Fact Sheets. Currently (Sep 2007) located at <http://nssdc.gsfc.nasa.gov/planetary/planetfact.html>

Quantity	Symbol	Value	Units
Planck	h	6.626068×10^{-27}	erg s
Maxwell-Boltzmann	k_B	1.380658×10^{-16}	erg K ⁻¹
Gravitational constant	G	6.67259×10^{-8}	cm ³ g ⁻¹ s ⁻²
Loschmidt number	n_L	2.6868×10^{19}	cm ⁻³
Gas constant	R	8.3145×10^7	erg K ⁻¹ mol ⁻¹
Electronic charge	e	$4.8032068 \times 10^{-10}$	esu
H ₂ O molec. diam.	r_{H_2O}	3.2×10^{-10}	cm
atomic mass unit	m_u	$1.6605402 \times 10^{-24}$	g
Stef.-Boltz. constant	σ	$5.670400 \times 10^{-5} \times \text{ergs cm}^{-2} \text{K}^{-4} \text{s}^{-1}$	
Astronomical Unit	AU	1.49598×10^{13}	cm
Parsec	pc	$3.08568025 \times 10^{18}$	cm
Solar Luminosity	L_\odot	3.845×10^{33}	ergs/s
Solar radius	R_\odot	6.95508×10^{10}	cm
Jupiter radius	R_J	6.9911×10^9	cm
Earth radius	R_\oplus	6.378×10^8	cm
Solar mass	M_\odot	1.989×10^{33}	g
Jupiter mass	M_J	1.898×10^{30}	g
Earth mass	M_\oplus	5.97×10^{27}	g