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Planets Orbital and Physical Characteristics.

		MERCURY	VENUS	EARTH	MARS
JUPITER					
Equatorial Diameter (km)	4,878	12,104	12,756	6,794	142,800
Sidereal period	58.65d	243.16d	23h 56m	24h 37m	9h 55m
Inclination of axis to orbit	0	178	23 27'	24 46'	3 04'
Density (Earth=1)	0.997	0.95	1.0	0.71	0.13
Mass (Earth=1)	0.06	0.81	1.0	0.11	317.89
Surface Gravity (Earth=1)	0.38	0.90	1.0	0.38	2.64
Escape Velocity (km per sec)	4.3	10.36	11.2	5.03	60.22
Albedo (100% refl=1)	0.06	0.76	0.36	0.16	0.73
Mean distance from the Sun in millions of km	57.9	08.2	149.6	227.9	778.3
PLUTO					
SUN					
		SATURN	URANUS	NEPTUNE	
Equatorial Diameter (km)	120000	52800	48400	2400	1392530
Sidereal period	10h 4m	17h*	16h*	**	25d 9h 7m
Inclination of axis to orbit	26 44'	97 53'	28 48'	50*	7 15'
Density (Earth=1)	0.04	0.23	0.31	0.36*	0.25
Mass (Earth=1)	95.14	14.52	17.21	0.10*	332.945
Surface Gravity (Earth=1)	1.16	1.11	1.21	**	28.0
Escape Velocity (km per sec)	32.26	22.5	23.9	1.16*	617.3
Albedo (100% refl=1)	0.76	0.93	0.62	0.54*	----
Mean distance from the Sun in millions of km	1,427	2,869.6	4,496.7	5,899	----


Table of stars of magnitude 2.00 or brighter.

Stars of above magnitude 1.4 are termed first magnitude" stars. For obvious reasons, the distance and luminosities of the stars, apart from stars that are quite close, are not known with any real accuracy and in the list that follows, values are rounded off.

Star	Constellation	Apparent Magnitude	Lumi Sun=1	Spectrum	Distance light-years
Sirius	Canis Major	-1.46	26	A1	8.8
Canopus	Carina	-0.72	200000	F0	1200
Alpha Centauri	Centaurus	-0.27	1.5	K1+G2	4.3
Arcturus	Bootes	-0.04	115	K2	36
Vega	Lyra	0.03	52	A0	26
Capella	Auriga	0.08	70	G8	42
Rigel	Orion	0.12v	60000	B8	9000
Procyon	Canis Minor	0.38	11	F5	11.4
Achernar	Eridanus	0.46	780	B5	85
Betelgeux	Orion	Var.	15000	M2	310
Agna	Centaurus	0.61	10500	B1	460
Altair	Aquila	0.77	10	A7	16.6
Acrux	CruX\Austral	0.83	3200+2000	B1+B3	360
Aldebaran	Taurus	0.85	100	K5	68
Antares	Scorpio	0.96v	7500	M1	330
Spica	Virgo	0.98v	2100	B1	260
Pollux	Gemini	1.14	60	K0	36
Formalhaut	Piscis\Austral	1.16	13	A3	22

Deneb	Cygnus	1.25	70000	A2	1800
Beta Crucis	Crux\Austral	1.25v	8200	B0	425
Regulus	Leo	1.35	130	B7	85
Adhara	Canis Major	1.50	5000	B2	490
Caster	Gemini	1.58	45	A0	46
Crucis	Crux\Austral	1.63	160	M3	88
Shaula	Scorpio	1.63	130	B2	275
Bellatrix	Orion	1.64	2200	B2	360
Al Nath	Taurus	1.65	470	B7	130
Miaplacidus	Carina	1.68	130	A0	85
Alnilam	Orion	1.70	26000	B2	1200
Alnair	Grus	1.74	230	B5	69
Alnitak	Orion	1.77	19000	09.5	1100
Alioth	Ursa Major	1.77	60	A0	62
Velorum	Vela	1.78	3800	WC7	520
Dubhe	Ursa Major	1.79	60	K0	75
Mirphak	Perseus	1.80	6000	F5	620
Kaus Australis	Sagittarius	1.85	100	B9	85
Wezea	Canis Major	1.86	130000	F8	3000
Avior	Carina	1.86	600	K0	200
Alkaid	Ursa Major	1.86	450	B3	108
Sargas	Scorpio	1.87	14000	G0	900
Menkarlina	Auriga	1.90	50	A2	72
Atria	Tri\Austral	1.92	96	K2	55
Alhena	Gemini	1.93	82	A0	85
Pavonis		1.94	700	B3	230
Koo She	Vela	1.96	50	A0	69
Alphard	Hydra	1.98	115	K3	85
Mirzam	Canis Major	1.98v	7200	B1	710
Algieba	Leo	1.99	60	K0+G7	90
Polaris	Ursa Minor	1.99v	6000	F8	680
Hamel	Aries	2.00	96	K2	85

WDA Table Help.

There are some kinds of information that are best displayed in tabular form rather than scattered about between individual entries. Indeed, The Windows Dictionary of Astronomy would not be complete without tables. Data tables are given for the Planets, Satellites, Asteroids, Comets, Constellations, Brightest stars and lots more. Cross-references to these tables appear at the end of certain entries and are highlighted in Red. Clicking on the word or words following the  table icon: will display the associated table. For demonstration purposes, two tables entitled "**Planets, Orbital & Physical Characteristics**" and "**Stars of magnitude 2.00 or brighter**" have been enabled. All tables are enabled in the full version of the program.


See also:


[Printing Tables](#)

[Table Toolbar Functions](#)

Printing Tables

To print a table

1) Unless already displayed, click on the table list icon  and select a table from the list by clicking on the title you wish to view.

2) Click on the print icon  to send the displayed table to the printer.

Note: Most tables are best printed in portrait but there are one or two that are best printed in landscape.

Table Toolbar Functions



Copy selected text to the clipboard.



Send selected table to the printer.



Display list of tables.



Go-Back \ Display the previous topic.



Display the help contents.

Please note: If you came to the table viewer via the dictionary main button bar, the Go-Back button will be inactive. In this case, you should close the table viewer by selecting exit from the file menu. If you came via a link within the dictionary, use the Go-Back button as normal.

