

Physical Properties of Worlds in the Solar System

World	Orbits (AU)	Diameter (km)	Density (g/cm ³)	log ₁₀ Mass (kg)	Albedo
Jupiter	Sun (5.20)	142796	1.33	27.28	0.51
Saturn	Sun (9.54)	120660	0.69	26.75	0.50
Uranus	Sun (19.2)	51300	1.3	25.94	0.66
Neptune	Sun (30.1)	49520	1.64	26.01	0.62
Earth	Sun (1.00)	12756	5.52	24.74	0.3-0.5
Venus	Sun (0.72)	12102	5.25	24.69	0.76
Mars	Sun (1.52)	6786	3.95	23.81	0.16
Mercury	Sun (0.39)	4878	5.43	23.52	0.06
Ganymede	Jupiter	5262	1.94	23.17	0.43
Titan	Saturn	5150	1.88	23.13	0.21
Callisto	Jupiter	4821	1.86	23.03	0.17
Io	Jupiter	3643	3.57	22.95	0.63
Moon	Earth	3476	3.34	22.87	0.12
Europa	Jupiter	3122	2.97	22.68	0.67
Triton	Neptune	2707	2.05	22.33	0.76
136199 Eris	Sun (67.7)	2500 ± 100	2.04	22.22	0.87 ± 0.06
Pluto	Sun (39.5)	2306	2.03	22.11	0.49-0.66
Titania	Uranus	1578	1.72	21.55	0.27
Rhea	Saturn	1529	1.24	21.36	0.65
Oberon	Uranus	1523	1.63	21.48	0.23
136108 Haumea	Sun (43.3)	1960 × 1000	2.95 ± 0.35	21.62	0.8 ± 0.1
136472 Makemake	Sun (45.8)	1500 ± 300	2.0	21.60 (?)	0.8 (?)
Iapetus	Saturn	1472	1.27	21.30	0.04-0.5
90377 Sedna	Sun (526)	1400 (?)	2.0 (?)	?	0.16-0.30
Charon	Pluto	1205	1.65 ± 0.05	21.18	0.38 ± 0.02
Umbriel	Uranus	1169	1.40 ± 0.16	21.08	0.21
Ariel	Uranus	1158	1.67	21.13	0.39
2002 TC302	Sun (55.0)	1150 ± 325	2.0 (?)	?	0.02-0.06
Dione	Saturn	1123	1.50	21.04	0.55
Tethys	Saturn	1066	0.97	20.79	0.80
50000 Quaoar	Sun (41.9)	1050 ± 300	2.0 (?)	?	0.15 ± 0.10
90482 Orcus	Sun (39.4)	950 ± 75	1.5 (?)	20.88 (?)	0.20
1 Ceres	Sun (2.77)	975 × 909	2.08	20.98	0.11
20000 Varuna	Sun (43.1)	800 (?)	0.99	20.57 (?)	0.04-0.26
2002 AW 197	Sun (41.1)	734 ± 100	2.0 (?)	20.62 (?)	0.12-0.17
2002 UX 25	Sun (48.6)	680 ± 120	2.0 (?)	20.52 (?)	0.12 ± 0.04

World	Orbits (AU)	Diameter (km)	Density (g/cm ³)	log ₁₀ Mass (kg)	Albedo
28978 Ixion	Sun (39.7)	640 ± 240	2.0 (?)	20.48 (?)	0.15-0.37
1996 TL 66	Sun (82.9)	575 ± 115	2.0 (?)	20.3 (?)	0.035
2002 TX 300	Sun (43.1)	570 (?)	2.0 (?)	?	0.19-0.38 (?)
19521 Chaos	Sun (45.6)	560 (?)	?	?	?
2004 XR 190 (Buffy)	Sun (57.1)	540 (?)	1.5 (?)	?	0.1 (?)
2 Pallas	Sun (2.77)	570 × 500	2.8	20.34	0.16
4 Vesta	Sun (2.36)	578 × 458	3.4	20.43	0.42
Enceladus	Saturn	513 × 497	1.61	20.03	0.99
38628 Huya	Sun (39.8)	506 ± 50	2.0 (?)	?	0.11
Miranda	Uranus	480 × 464	1.20	19.82	0.32
Proteus	Neptune	440 × 404	1.3 (?)	19.6 (?)	0.096
10 Hygiea	Sun (3.14)	500 × 350	2.4 (?)	19.9 (?)	0.072
2002 TX 300	Sun (43.1)	435 (?)	2.0 (?)	?	0.2-0.4
Mimas	Saturn	415 × 381	1.15	19.57	0.77
1995 TL 8	Sun (52.5)	350 (?)	2.0 (?)	19.65 (?)	0.1 (?)
Nereid	Neptune	340 ± 50	1.5 (?)	19.5 (?)	0.14