

Gravitation Data

Mass of Earth- 5.9742×10^{24} kg (kilograms)

Mass of Moon- 7.3459×10^{22} kg (kilograms)

Mass of Sun- 1.988435×10^{30} kg (kilograms)

Distance to the Moon- 403502 km (kilometers)

Planet	Distance from the Sun (Astronomical Units miles km)	Period of Revolution Around the Sun (1 planetary year)	Period of Rotation (1 planetary day)	Mass (kg)	Diameter (miles km)	Number of Moons
Mercury	0.39 AU, 36 million miles 57.9 million km	87.96 Earth days	58.7 Earth days	3.3×10^{23}	3,031 miles 4,878 km	0
Venus	0.723 AU 67.2 million miles 108.2 million km	224.68 Earth days	243 Earth days	4.87×10^{24}	7,521 miles 12,104 km	0
Earth	1 AU 93 million miles 149.6 million km	365.26 days	24 hours	5.98×10^{24}	7,926 miles 12,756 km	1
Mars	1.524 AU 141.6 million miles 227.9 million km	686.98 Earth days	24.6 Earth hours =1.026 Earth days	6.42×10^{23}	4,222 miles 6,787 km	2
Jupiter	5.203 AU 483.6 million miles 778.3 million km	11.862 Earth years	9.84 Earth hours	1.90×10^{27}	88,729 miles 142,796 km	18 named (plus many smaller ones)
Saturn	9.539 AU 886.7 million miles 1,427.0 million km	29.456 Earth years	10.2 Earth hours	5.69×10^{26}	74,600 miles 120,660 km	18+
Uranus	19.18 AU 1,784.0 million miles 2,871.0 million km	84.07 Earth years	17.9 Earth hours	8.68×10^{25}	32,600 miles 51,118 km	15
Neptune	30.06 AU 2,794.4 million miles 4,497.1 million km	164.81 Earth years	19.1 Earth hours	1.02×10^{26}	30,200 miles 48,600 km	2
Pluto (a dwarf planet)	39.53 AU 3,674.5 million miles 5,913 million km	247.7 years	6.39 Earth days	1.29×10^{22}	1,413 miles 2,274 km	1 large (plus 2 tiny)

Mass of other Planet Data: