

| Planetary Data | MERCURY | VENUS | EARTH | MARS | JUPITER | SATURN | URANUS | NEPTUNE | PLUTO |
|--|----------------|-------------------|----------------|-------------------|----------------|----------------|----------------|----------------|----------------|
| Diameter (equatorial) (thousands of miles) | 3,031 | 7,521 | 7,926 | 4,217 | 88,730 | 74,566 | 31,566 | 30,199 | 11,420 |
| Mass (Earth = 1) | 0.055 | 0.814 | 1.000 | 0.107 | 317.8 | 95.16 | 14.55 | 17.23 | 0.0026(?) |
| Density (water = 1) | 5.43 | 5.24 | 5.52 | 3.93 | 1.33 | 0.71 | 1.31 | 1.77 | 1.1 |
| Volume (Earth = 1) | 0.06 | 0.86 | 1.00 | 0.15 | 1,323 | 752 | 64 | 54 | 0.01 |
| Revolution around Sun | 88.0 days | 224.7 days | 365.26 days | 687.0 days | 11.86 years | 29.46 years | 84.01 years | 164.8 years | 247.7 years |
| Rotation Period (days) | 58.65 | 243.0 | 0.9973 | 1.0260 | 0.410 | 0.427 | 0.45 | 0.67 | 6.3867 |
| Equatorial Radius (Miles) | 1,516 | 3,759 | 3,963 | 2,112 | 44,679 | 37,284 | 16,247 | 15,380 | 752 |
| Mass (Trillion Trillion Pounds) | 0.729 | 10.738 | 13.177 | 1.416 | 4,187.0 | 1,253.8 | 190.95 | 227.1 | 0.026 |
| Mean Density (Earth = 1) | 0.98 | 0.95 | 1.0 | 0.71 | 0.24 | 0.125 | 0.216 | 0.30 | 0.36 |
| Gravity (Earth = 1) | 0.39 | 0.88 | 1.0 | 0.38 | 2.34 | 0.93 | 0.79 | 1.13 | 0.0637 |
| Period of Rotation (Hours) | 1,407.6 | 5,832.2 | 23.9 | 24.6 | 9.8 | 10.2 | 17.2 | 17.7 | 6.4 |
| Escape Velocity (Miles per Hour) | 9,619 | 23,042 | 25,055 | 11,185 | 133,104 | 79,639 | 47,470 | 52,794 | 2,640 |
| Major Atmospheric Gas | Oxygen | Carbon Dioxide | Nitrogen | Carbon Dioxide | Hydrogen | Hydrogen | Hydrogen | Hydrogen | Methane |
| Inclination of Equator (Degrees) | 0.0 | 2.6 | 23.5 | 25.2 | 3.1 | 26.7 | 82.1 | 29.0 | 62.0 |
| Known Moons | 0 | 0 | 1 | 2 | 16 | 17 | 15 | 8 | 1 |
| Eccentricity of Orbit | 0.206 | 0.007 | 0.017 | 0.093 | 0.048 | 0.056 | 0.047 | 0.009 | 0.246 |
| Mean Orbital Velocity (Miles per Hour) | 107,132 | 78,364 | 66,641 | 53,980 | 29,216 | 21,565 | 15,234 | 12,147 | 10,604 |
| Minimum Distance from Sun (Millions of Miles) | 28.6 | 66.8 | 91.4 | 128.4 | 460.3 | 837.6 | 1,699.0 | 2,771.0 | 2,756.0 |
| Maximum Distance from Sun (Millions of Miles) | 43.4 | 67.7 | 94.5 | 154.9 | 507.2 | 936.2 | 1,868.0 | 2,819.0 | 4,555.0 |
| Mean Distance from Sun (millions of Miles) | 36.0 | 67.2 | 93.0 | 141.6 | 483.4 | 886.7 | 1,784.0 | 2,794.4 | 3,656 |
| Period of Revolution (Earth Years) | 0.24 | 0.62 | 1 | 1.88 | 11.86 | 29.46 | 84.01 | 164.79 | 247.70 |
| Inclination of Orbit to Plane of Ecliptic (Degrees) | 7.00 | 3.39 | — | 1.85 | 1.31 | 2.49 | 0.77 | 1.77 | 17.15 |