

Planetary Fact Sheet

| | <u>MERCURY</u> | <u>VENUS</u> | <u>EARTH</u> | <u>MOON</u> | <u>MARS</u> | <u>JUPITER</u> | <u>SATURN</u> | <u>URANUS</u> | <u>NEPTUNE</u> | <u>PLUTO</u> |
|---|----------------|--------------|--------------|-------------|-------------|----------------|---------------|---------------|----------------|--------------|
| <u>Mass</u> (10 ²⁴ kg) | 0.330 | 4.87 | 5.97 | 0.073 | 0.642 | 1898 | 568 | 86.8 | 102 | 0.0131 |
| <u>Diameter</u> (km) | 4879 | 12,104 | 12,756 | 3475 | 6792 | 142,984 | 120,536 | 51,118 | 49,528 | 2390 |
| <u>Density</u> (kg/m ³) | 5427 | 5243 | 5514 | 3340 | 3933 | 1326 | 687 | 1271 | 1638 | 1830 |
| <u>Gravity</u> (m/s ²) | 3.7 | 8.9 | 9.8 | 1.6 | 3.7 | 23.1 | 9.0 | 8.7 | 11.0 | 0.6 |
| <u>Escape Velocity</u> (km/s) | 4.3 | 10.4 | 11.2 | 2.4 | 5.0 | 59.5 | 35.5 | 21.3 | 23.5 | 1.1 |
| <u>Rotation Period</u> (hours) | 1407.6 | -5832.5 | 23.9 | 655.7 | 24.6 | 9.9 | 10.7 | -17.2 | 16.1 | -153.3 |
| <u>Length of Day</u> (hours) | 4222.6 | 2802.0 | 24.0 | 708.7 | 24.7 | 9.9 | 10.7 | 17.2 | 16.1 | 153.3 |
| <u>Distance from Sun</u> (10 ⁶ km) | 57.9 | 108.2 | 149.6 | 0.384* | 227.9 | 778.6 | 1433.5 | 2872.5 | 4495.1 | 5870.0 |
| <u>Perihelion</u> (10 ⁶ km) | 46.0 | 107.5 | 147.1 | 0.363* | 206.6 | 740.5 | 1352.6 | 2741.3 | 4444.5 | 4435.0 |
| <u>Aphelion</u> (10 ⁶ km) | 69.8 | 108.9 | 152.1 | 0.406* | 249.2 | 816.6 | 1514.5 | 3003.6 | 4545.7 | 7304.3 |
| <u>Orbital Period</u> (days) | 88.0 | 224.7 | 365.2 | 27.3 | 687.0 | 4331 | 10,747 | 30,589 | 59,800 | 90,588 |
| <u>Orbital Velocity</u> (km/s) | 47.4 | 35.0 | 29.8 | 1.0 | 24.1 | 13.1 | 9.7 | 6.8 | 5.4 | 4.7 |
| <u>Orbital Inclination</u> (degree) | 7.0 | 3.4 | 0.0 | 5.1 | 1.9 | 1.3 | 2.5 | 0.8 | 1.8 | 17.2 |
| <u>Orbital Eccentricity</u> | 0.205 | 0.007 | 0.017 | 0.055 | 0.094 | 0.049 | 0.057 | 0.046 | 0.011 | 0.244 |
| <u>Axial Tilt</u> (degrees) | 0.01 | 177.4 | 23.4 | 6.7 | 25.2 | 3.1 | 26.7 | 97.8 | 28.3 | 122.5 |
| <u>Mean Temperature</u> (C) | 167 | 464 | 15 | -20 | -65 | -110 | -140 | -195 | -200 | -225 |
| <u>Surface Pressure</u> (bars) | 0 | 92 | 1 | 0 | 0.01 | Unknown* | Unknown* | Unknown* | Unknown* | 0 |
| <u>Number of Moons</u> | 0 | 0 | 1 | 0 | 2 | 67 | 62 | 27 | 14 | 5 |
| <u>Ring System?</u> | No | No | No | No | No | Yes | Yes | Yes | Yes | No |
| <u>Global Magnetic Field?</u> | Yes | No | Yes | No | No | Yes | Yes | Yes | Yes | Unknown |