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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |
| **Mercury** | **Venus** | **Earth** | **Mars** | **Jupiter** | **Saturn** | **Uranus** | **Neptune** | **Pluto** |
| Mean Distance from the Sun (AU) | 0.3871 | 0.7233 | 1 | 1.524 | 5.203 | 9.539 | 19.19 | 30.06 | 39.48 |
| Sidereal period of orbit (years) | 0.24 | 0.62 | 1 | 1.88 | 11.86 | 29.46 | 84.01 | 164.79 | 248.54 |
| Mean Orbital Velocity (km/sec) | 47.89 | 35.04 | 29.79 | 24.14 | 13.06 | 9.64 | 6.81 | 5.43 | 4.74 |
| Orbital  Eccentricity | 0.206 | 0.007 | 0.017 | 0.093 | 0.048 | 0.056 | 0.046 | 0.010 | 0.248 |
| Inclination to ecliptic (degrees) | 7.00 | 3.40 | 0 | 1.85 | 1.30 | 2.49 | 0.77 | 1.77 | 17.15 |
| Equatorial Radius (km) | 2439 | 6052 | 6378 | 3397 | 71490 | 60268 | 25559 | 25269 | 1160 |
| Polar Radius (km) | same | same | 6357 | 3380 | 66854 | 54360 | 24973 | 24340 | same |
| Mass of planet (Earth=1) | 0.06 | 0.82 | 1 | 0.11 | 317.89 | 95.18 | 14.53 | 17.14 | 0.002 |
| Mean density (grams/centimeter³ )  | 5.43 | 5.25 | 5.52 | 3.95 | 1.33 | 0.69 | 1.29 | 1.64 | 2.03 |
| Body rotation period (hours) | 1408 | 5832 | 23.93 | 24.62 | 9.92 | 10.66 | 17.24 | 16.11 | 153.3 |
| Tilt of equator to orbit (degrees) | 2 | 177.3 | 23.45 | 25.19 | 3.12 | 26.73 | 97.86 | 29.6 | 122.46 |
| Number of observed satellites | 0 | 0 | 1 | 2 | >28 | 30 | 24 | 8 | 1 |