| **Planet** | **Description** | **Diameter (km)** | **Mass (kg)** | **Rotation Period** | **Avg Temperature** | **Distance from Earth** |
| --- | --- | --- | --- | --- | --- | --- |
| **Mercury** | The smallest planet and closest to the Sun — a rocky world of extremes. | 4,880 | 3.30 × 10²³ | 58.6 Earth days | 167°C | 77 million km |
| **Venus** | Covered in thick clouds of acid, it’s hotter than Mercury despite being farther from the Sun. | 12,104 | 4.87 × 10²⁴ | 243 Earth days (retrograde) | 464°C | 261 million km |
| **Earth** | The only known planet with life and vast blue oceans. | 12,742 | 5.97 × 10²⁴ | 24 hours | 15°C | — |
| **Mars** | The Red Planet, known for its dusty surface and potential for future colonization. | 6,779 | 6.42 × 10²³ | 24.6 hours | -65°C | 225 million km |
| **Jupiter** | The largest planet with raging storms and dozens of moons. | 139,820 | 1.90 × 10²⁷ | 9.9 hours | -110°C | 628 million km |
| **Saturn** | Famous for its dazzling rings made of ice and rock. | 116,460 | 5.68 × 10²⁶ | 10.7 hours | -140°C | 1.2 billion km |
| **Uranus** | A pale blue planet that spins on its side — very unique in the solar system. | 50,724 | 8.68 × 10²⁵ | 17.2 hours | -195°C | 2.6 billion km |
| **Neptune** | Deep blue and windy, it’s the farthest known planet in the solar system. | 49,244 | 1.02 × 10²⁶ | 16 hours | -200°C | 4.3 billion km |

**Rotation Period (1 day of planet = X Earth hours)**