

Saturn Facts

Planet Type	Gas giant
Position from Sun	6th
Average Distance from Sun	1.429 billion km (9.58 AU)
Orbital Period (Year)	29.45 Earth years
Rotation Period (Day)	~10.7 hours
Diameter (Equatorial)	120,536 km (74,898 mi)
Mass	5.683×10^{26} kg (~95 Earths)
Density	0.687 g/cm ³ (less than water)
Gravity	10.44 m/s ² (about 1.07× Earth's)
Escape Velocity	35.5 km/s
Axial Tilt	26.7°
Atmosphere Composition	~96% hydrogen, ~3% helium, trace gases
Surface Temperature	~-139 °C (134 K or -218 °F) at cloud tops
Number of Moons	At least 145 confirmed (Titan is largest)
Ring System	7 main rings (A to G), thousands of ringlets
Strongest Wind Speed	~1,800 km/h (1,100 mph)
Magnetic Field	~580× Earth's, axis nearly aligned with rotation
Auroras	Yes – ultraviolet, seen at poles
Major Missions	Pioneer 11, Voyager 1 & 2, Cassini-Huygens
Potential for Life	Unlikely on Saturn, but possible on moons like Enceladus and Titan

