

# Our Solar System

With winds up to 2,000kph, Neptune has the wildest weather in the Solar System.

**Average Temp: -215°C**  
**1 Day = 16 hours 7 mins**  
**1 Year = 164.8 Earth years**  
**Moons: 11 known**  
**~4x the size of Earth's diameter.**

**Neptune**

The only planet that is less dense than water: if you had a bath full of water big enough, the planet would float!

**Average Temp: -176°C**  
**1 Day = 10 hours 39 mins**  
**1 Year = 29.5 Earth years**  
**Moons: 25 known**  
**~10x the size of Earth's diameter.**

**Saturn**

After Earth, Mars hosts more man-made satellites than any other planet in our Solar System, currently hosting three orbiters.

**Average Temp: -63°C**  
**1 Day = 24 hours 37 mins**  
**1 Year = 686 Earth days**  
**Moons: 2**  
**~1/2 the size of Earth's diameter.**

**Mars**

The only planet where the Sun rises in the West and sets in the East, as it has an orbit opposite from all the other planets.

**Average Temp: 464°C**  
**1 Day = 243 Earth days**  
**1 Year = 225 Earth days**  
**Moons: 0**  
**Roughly the same diameter as Earth.**

**Venus**

**Average distance to Sun in million km**



**Pluto**

(dwarf planet)

**Average Temp: -223°C**  
**1 Day = 6.4 Earth days**  
**1 Year = 248 Earth years**  
**Moons: 1**  
**~1/6 of the size of Earth's diameter.**

In 2006, Pluto was reclassified as a 'dwarf planet', reducing the number of planets in our Solar System to eight.

**Uranus**

**Average Temp: -215°C**  
**1 Day = 17 hours 14 mins**  
**1 Year = 84 Earth years**  
**Moons: 21 known**  
**~4x the size of Earth's diameter.**

Uranus' atmosphere absorbs the red coloured light from sunlight, making it appear blue!

**Jupiter**

**Average Temp: -144°C**  
**1 Day = 9 hours 55 mins**  
**1 Year = 11.9 Earth years**  
**Moons: 16 of diameter >10km**  
**~11x the size of Earth's diameter.**

Despite its size, Jupiter spins so quickly that it isn't a sphere, it bulges around the middle!

**Earth**

**Average Temp: 15°C**  
**1 Day = 24 hours**  
**1 Year = 365 days**  
**Moons: ~1 - 10/12 the size of Earth.**

The pull of the Moon's gravity is responsible for the twice daily rise and fall of the tide in the Earth's seas and Oceans.

**Mercury**

**Temp Range: -170-450°C**  
**1 Day = 59 Earth days**  
**1 Year = 88 Earth days**  
**Moons: 0**  
**~2/5 the size of Earth's diameter.**

Mercury has the most extreme temperature range in the Solar System with differences over 600°C!