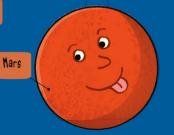


# THE PLANETS A planet is a large, mostly round, object that travels around a star. Our planet, Earth, is one of eight planets that travel around our Sun. Each planet is very different. Let's meet the planets in our Solar System and find out what each one is like. Mercury Venus Earth

### Rocky worlds

Lift the flaps on the planets on this page to find out about the four rocky planets.

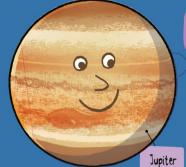




The dwarf planets in our Solar System are smaller and some behave differently to the large planets So far, we have found five dwarf planets, called Pluto Ceres Haumea Eris and Makemake

Dwarf

worlds



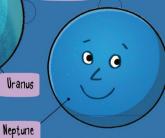
9 0

### Gassy worlds

Lift the flaps on the planets on this page to find out about the four gas giants.



Saturn



### Other worlds?

Looking beyond our Solar System, scientists have found lots of other planets, far out in space, traveiling around distant stars. So it is possible that there are also more planets in our very own Solar System just waiting to be found!

Remember: these happy guys don't show the true size differences or distances between these eight amazing worlds in space.

## SMALL WORLDS

In our Solar System, as well as the planets and moons, there are smaller chunks of rock, metal and ice—like min-worlds going around the Sun From speeding icy comets to huge rocky asteroids, let's find out about these amazing objects... and how we see them from Earth

### Asteroid

An asteroid is a rocky or metallic lump travelling through space in a big circle around the Sun Some are small and others are huge. Some even have their own moons!

# A met

#### Meteoroid

A meteoroid is a small piece of an asteroid or comet travelling through space. Sometimes, they fall to Earth, where they are called meteorites



## Asteroid belt

Between Mars and Jupiter is an area called the asteroid belt, where there are too many asteroids to count! Scientists think these asteroids could be the pieces of a planet that never came together:



#### Comet

Comets can seem like dirty snowballs in spacel Some spend hundreds or even millions of years far away, beyond the planets. When they loop near to the Sun, they form a bright tail that we can sometimes see from Earth.



When a meteoroid falls towards our planet it is called a meteon as it burns up high above the Earth. Some are called fireballs, if they look even brighter than the brightest planets!



Did you know there are hundreds of thousands of pieces of 'space junk' in orbit arround Earth? These include pieces of spacecraft and unwanted or lost things from space missions



### Shooting star

Sometimes from Earth we can see what looks like a star shooting across the night sky. This isn't a star at all – it's a meteon Sometimes meteor showers create a wonderful light display in the skyl

