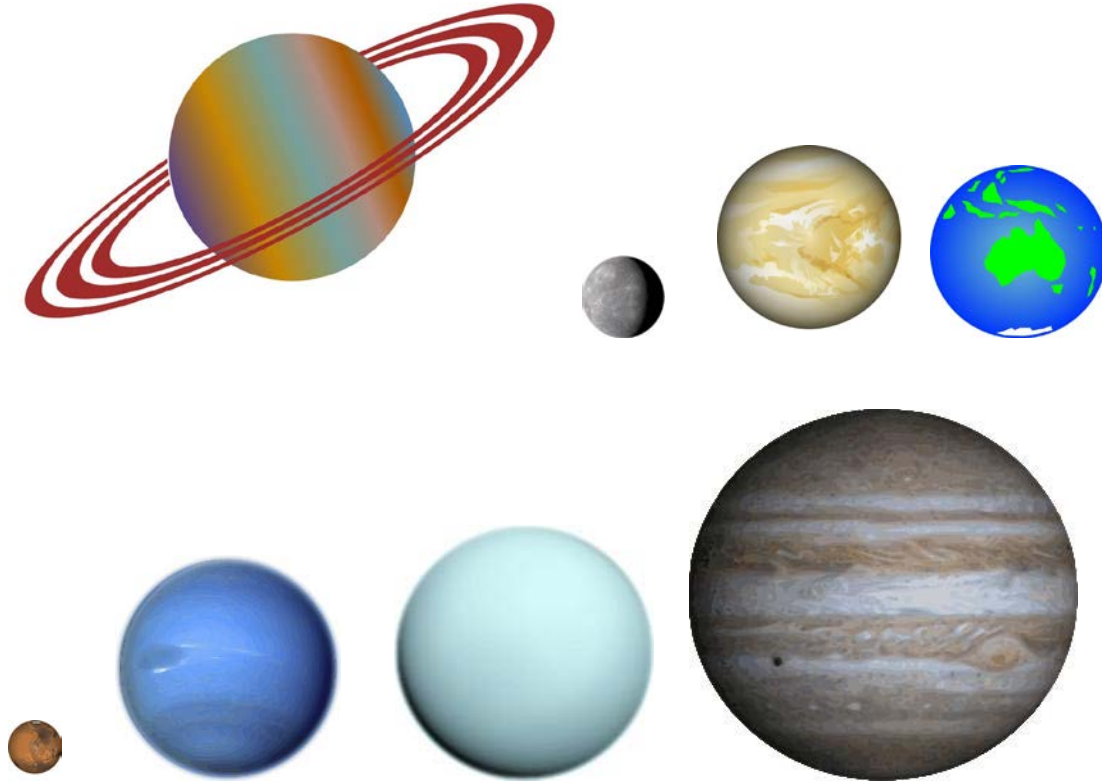


Planetary Quiz – Student Activity

Name the planets below (not to scale).



How many stars are there in our Solar System? _____

Name the fifth largest planet in our solar system _____

Which planet has the most circular orbit? _____

Which planet is farthest from the Sun? _____

Which two planets rotate in the opposite direction on their axes to the direction they orbit the Sun?

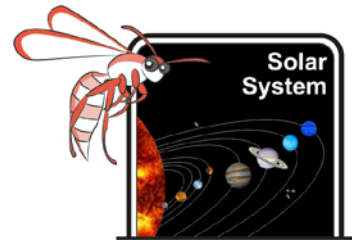
Name four rocky planets _____

Name four gas giants _____

Why is Mars known as “The red planet”? _____

Which planet is so massive (not large) that it’s mass is greater than all the other planets put together?

What is the name of the highest mountain on Mars? _____



Planetary Quiz – Student Activity

Which planet has The Great Red Spot and what causes it? _____

Name Earth's only satellite. _____

Which moon of Jupiter may possibly have life? _____

What is the surface temperature of Uranus estimated to be? _____

How long does Uranus take to orbit the Sun? _____

Which planet takes about 365 days to orbit the Sun? [Earth](#)

Which planet has a very cold atmosphere of hydrogen, methane and helium giving it a blue colour?
[Neptune](#)

Extra for experts

If you stood on the surface of Mercury, would the Sun appear larger or smaller than it does on Earth? Explain your answer.

[Larger because it is closer to the Sun](#)

Venus is about the same size as Earth, has a similar gravity and is a similarly rocky planet. Why do we not colonise Venus? Give three good reasons. [The atmosphere has no oxygen and has high amounts of carbon dioxide. This makes it very, very hot \(4650C at the surface\). The pressure of its atmosphere is a crushing 90 times stronger than on Earth](#)

What weight would a 50kg human have on the surface of the Sun?

[Trick question. The Sun does not have a solid surface and the human would have been vaporised by its extreme heat.](#)

[Which planet has the least density? You could float a ball of it in your bath at home.](#)

Which planet is the largest (takes up most room) in our Solar System? [Saturn.](#)

What are Saturn's rings made of? [Frozen water, gas and dust.](#)

Planet Earth's atmosphere is four-fifths nitrogen. Which other orbiting body has an atmosphere with four fifth's nitrogen? [Titan, one of the moons of Saturn. There is also deadly hydrogen cyanide however!](#)