

Worksheet 5.4A

Case study: Jupiter

Read the case study about Jupiter.

Jupiter is the largest planet in the solar system.
Jupiter orbits the Sun once every 12 Earth years.

Jupiter has four large moons, and at least 24 small moons which orbit it.
The largest moon is called Ganymede.
This is the largest moon in the whole solar system.

Jupiter consists mainly of two gases: hydrogen and helium, with smaller amounts of other gases in the surface layers.

Space projects have sent robotic probes to Jupiter.
A robotic probe is an unmanned spacecraft that lands on a body in space and collects data and takes photographs.
Probes have sent photographs of Jupiter back to scientists on Earth.
The photographs show colourful bands of clouds surrounding Jupiter.
No water has been found on Jupiter.

The Juno probe was launched from the USA in 2011.
It arrived in orbit around Jupiter in 2016.
Scientists hope it will stay in orbit around Jupiter until 2021.
It is powered by solar panels.
Already it has sent back amazing photographs of Jupiter.

Answer these questions.

- 1 What is a planet?

- 2 Which is the largest planet in the solar system?

3 What is a moon?

4 How many moons does Jupiter have?

5 What material does Jupiter consist of?

6 What is Juno?
