# Universe

Earth 3.7.2 | Part 1, usually Year 7 | 20 quick questions

**KS3 science quick questions**

Answer online, marked instantly

Activate 1: Space | Exploring Science 8L

**Name:** _____ **Date:** _____ **Score:** _____ **/ 20**

**1** Which star is at the centre of our solar system?

**2** What is the name of the galaxy that our solar system is part of?

**3** What do we call a huge group of billions of stars held together by gravity?

**4** About how long does light from the Sun take to reach Earth: 8 seconds, 8 minutes or 8 hours?

**5** What do we call a planet that orbits a star other than our Sun?

**6** The Moon does not give out its own light, but we can still see it. What does it do to sunlight? Answer in one word.

**7** Is a light year a unit of distance or a unit of time?

**8** About how many hours does it take the Earth to spin once on its axis?

**9** About how many days does it take the Earth to travel once around the Sun?

**10** Day and night happen because the Earth does what? Answer in one word.

**11** Which force keeps the planets moving in orbit around the Sun?

**12** We have seasons because the Earth's axis is not upright. What is it? Answer in one word.

**13** During summer in the UK, is the northern half of the Earth tilted towards the Sun or away from it?

**14** A natural object that orbits a planet, like the one we often see in the night sky, is called a ...?


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**15** In the UK, are the days longer or shorter in winter than in summer?

## Year 9 stretch

**16** The nearest star to us after the Sun is about 4 light years away. How long does its light take to reach Earth, in years?

**17** At the equator, day length hardly changes during the year. About how many hours of daylight does the equator get each day?

**18** At midday in the UK, is a lamp post's shadow shorter in summer or in winter?

**19** It is summer in the UK in July. Which season is it in Australia at the same time?

**20** Explain why it is warmer in the UK in summer than in winter.


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