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| Stories |
| Do not look |
| Sunset |
| Early in the morning |
| A wrecking ball |
| Not just a pretty picture |
| Thin blue line |
| Fireworks on Jupiter |
| During the day |
| Nearest neighbour |
| Suns and stars |

1. Why should you never look straight at the Sun?
2. What makes the Sun disappear every day?
3. What makes the Sun rise in the east every day?
4. Scientists think Jupiter was like a giant wrecking ball – what shape is that?
5. What does the Earth look like from a satellite?
6. What does the Earth’s atmosphere look like from space?
7. What causes fireworks near Jupiter’s poles?
8. The Moon makes no light of its own. So how can we see it?
9. The Moon orbits the Earth. What does that mean?
10. What is the closest world to Earth?
11. How far away is the Moon from Earth?
12. What is the Sun?
13. Why does it seem brighter and hotter than other stars?
14. What shape are stars?
15. What shape are planets?

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| Stories |
| Moon's orbit |
| Beyond the blue sky |
| It’s still not safe |
| Going through a phase |
| Poles on the sun |

1. What is the shape of the Moon’s path around the Earth?
2. What is the shape of the Earth’s path around the Sun?
3. What is wrong with the picture in the story ‘Moon’s orbit’?
4. What is ‘out beyond the blue sky’?
5. What happens to the pupil of your eye in the dark?
6. Why does that happen?
7. Why does that mean it’s dangerous to look at the Sun even with sunspecs on?
8. Name some shapes the Moon looks like during a month.
9. Why does the Moon look different every night?
10. What does the Sun do, just as the Earth does?
11. Why can we easily see the Sun’s equator from here on Earth?
12. Why can’t we see its poles?
13. What is now going to enable scientists to study the Sun’s poles?

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| Stories |
| Astronomy for beginners |
| Spinning in space |
| Stone-age stargazers |

1. Why wouldn’t you try to study the night sky from a city?
2. What do we call the piece of a telescope you look into?
3. Which ball-shaped body in the sky does the writer of Astronomy for beginners suggest you study first?
4. What do planets, moons and stars do all the time?
5. What is the axis of a sphere?
6. The Sun seems to move across the sky from morning to night. What is really moving?
7. Suppose you’re on the Earth in one spot and it spins around a whole turn. How much time has passed?
8. Suppose it spins a half turn, how much time has passed?
9. What did our ancestors not know about the stars?
10. Which planets did they know?
11. Can you think why they knew just those and not the other three planets?
12. How do stars seem to move in the night sky?
13. What could our distant ancestors see in the southern sky?
14. What does the word ‘planet’ mean?

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| Stories |
| Spinning in space (part 2) |
| Many moons |
| Many moons (part 2) |
| The Moon gets in the way |
| Dark side of the Moon |

1. Planets spin on their axis. How else do they move?
2. What is the shape of a planet’s path around the Sun?
3. What are the dark patches on the Moon actually made of?
4. What do they look like to you?
5. Which planets do not have any moons?
6. What were the first moons discovered going around other planets than Earth?
7. What is Callisto?
8. How big is Callisto?
9. What is a moon?
10. What happens when the Moon gets right between the Earth and the Sun?
11. Why isn’t there an eclipse every month? (Hint: watch the video demonstration.)
12. Why can’t we see the far side of the Moon?
13. Explain why the far side of the Moon is not the 'dark side of the Moon'.

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| Stories |
| Solar system |
| Rockets are fast |
| To the Moon and back |
| Stone-age stargazers (part 2) |

1. What is the smallest planet in our solar system?
2. What is the largest planet in our solar system?
3. How many Earths could you fit into one Jupiter?
4. Explain why images that include all the planets in the solar system can never be right.
5. What is the top speed claimed for the Hennessy Venom F5?
6. What’s the average distance from Earth to the Moon?
7. How do you work out speed?
8. How much faster was the Apollo 11 rocket than the Hennessy Venom?
9. How much farther is it to the Moon than to New Zealand from Britain?
10. What is the shape of the Moon’s orbit?
11. Roughly how far is it to the Moon and back?
12. How old are the oldest stone circles in Britain?
13. What did the 2016 research show strong links between?
14. Why was knowledge of the seasons important to our ancestors?
15. What is the most likely reason they built stone circles?

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| Stories |
| The rings of Saturn |
| Many moons (part 3) |

1. What makes Saturn a stunning planet through a telescope?
2. What is a gas giant?
3. What is a terrestrial planet?
4. What are Saturn’s rings made of?
5. Why are Mercury and Venus not in that picture?
6. Where were the first four moons found that didn’t belong to Earth?
7. What’s the name of the biggest moon in our solar system?
8. Which planet does it belong to?
9. Seven of the eight planets in the solar system are mentioned in this story. Which one isn’t?
10. Can you work out from the story if that planet has moons or hasn’t?