

Nova's Starlit Space Quiz

Learning objective: To recall and apply knowledge about the Earth, the solar system, and the movement of celestial bodies within the UK Year 6 Science curriculum.

Join Nova the barn owl on a journey through the galaxy! Answer these 10 questions to test your knowledge of our solar system. Read each question carefully before choosing your answer.

Answer Key: 1. (C) Spherical; 2. True; 3. 24 hours; 4. (B) Orbit; 5. False (it takes approximately 365.25 days); 6. Sun; 7. (D) Gravity; 8. True; 9. Tilt; 10. (A) Mercury.

Word bank: Orbit · Rotate · Axis · Spherical · Solar System · Gravity

1. 1. What is the approximate shape of the Earth? A) Flat, B) Cube, C) Spherical*, D) Triangular. (1 mark)

2. 2. True or False: The Earth rotates on its axis once every 24 hours. (1 mark)

3. 3. How long does it take for the Earth to complete one full rotation on its axis? (1-word answer) (1 mark)

4. 4. What is the name of the path a planet takes around the Sun? A) Spin, B) Orbit*, C) Line, D) Curve. (1 mark)

5. 5. True or False: It takes the Earth exactly 300 days to orbit the Sun. (1 mark)

6. 6. At the centre of our solar system, what do all the planets orbit? (1-word answer) (1 mark)

7. 7. What force keeps the planets in their orbits around the Sun? A) Magnetism, B) Friction, C) Air resistance, D) Gravity*. (1 mark)

8. 8. True or False: The Moon orbits the Earth. (1 mark)

9. 9. What causes the Earth to have different seasons throughout the year? (1-word answer) (1 mark)

10. 10. Which planet is closest to the Sun? A) Mercury*, B) Venus, C) Earth, D) Mars. (1 mark)

Draw: Draw a diagram of the Sun and the Earth, showing the Earth's axis tilted and drawing an arrow to show the path of its orbit around the Sun.



Extension challenge: Nova wants to know more! Research why we have leap years. Write a short paragraph explaining why we add an extra day to our calendar every four years.