

Nova's Cosmic Space Quiz

Learning objective: To recall and apply knowledge of the Earth and space, including the solar system, orbits, and planetary characteristics.

Join Nova the barn owl on a journey through the stars! Read each question carefully and circle the best answer. Good luck, space explorers!

Answer Key: 1. A (Sun); 2. True; 3. B (Spherical); 4. False (Earth orbits the Sun); 5. Axis; 6. A (Mercury); 7. True; 8. Gravity; 9. B (Sun); 10. False (The Moon is a natural satellite).

Word bank: Orbit · Spherical · Axis · Gravity · Solar System · Planet · Satellite

1. 1. Which star is at the centre of our solar system? A) The Sun* B) The Moon C) Polaris D) Sirius (1 mark)

2. 2. True or False: All planets in our solar system rotate on an axis. (1 mark)

3. 3. What is the shape of the planets in our solar system? A) Flat B) Spherical* C) Cuboid D) Pyramid (1 mark)

4. 4. True or False: The Sun orbits the Earth once every 24 hours. (1 mark)

5. 5. What is the name of the imaginary line that the Earth spins around? (1 mark)

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

7. 7. True or False: The Earth takes approximately 365 days to complete one orbit around the Sun. (1 mark)

8. 8. What is the invisible force that keeps us grounded on Earth? (1 mark)

9. 9. Which object provides the light that allows us to see the Moon? A) Stars B) The Sun* C) The Earth D) Comets (1 mark)

10. 10. True or False: The Moon is a man-made satellite. (1 mark)

Draw: Draw a diagram of the solar system, showing the Sun in the centre and the eight planets orbiting in their correct relative positions.



Extension challenge: Nova wants to know more! Write a short paragraph explaining why we experience day and night on Earth. Use the word 'rotation' in your answer.