

Nova's Space Exploration Assessment

Learning objective: To identify the planets in the solar system, understand the Earth's movement, and explain how day and night occur.

Read each question carefully. Use the word bank if you need help. You can use a pencil to draw your diagrams.

Nova the owl is looking at the night sky. She knows that the Sun is at the center of our solar system. The Earth moves around the Sun. The Earth also spins on its own axis. This helps us have day and night.

Word bank: Sun · Earth · Orbit · Rotate · Day · Night · Planet · Moon · Stars

1. What is the name of the star at the center of our solar system? (1 mark) (1 mark)

2. The Earth takes one year to travel all the way around the Sun. What is this movement called? (2 marks) (2 marks)

3. Explain why we have day and night on Earth. Use the words 'rotate' and 'Sun' in your answer. (4 marks) (4 marks)

4. List the names of three planets in our solar system. (3 marks) (3 marks)

5. Nova wants to buy a new telescope for £45. She has £30. How much more money does she need to save? (5 marks) (5 marks)

6. Write a short paragraph to describe what you see when you look at the sky at night. Think about the Moon and the stars. (10 marks) (10 marks)

Draw: Draw a simple diagram showing the Earth moving around the Sun. Draw an arrow to show the Earth's path.



Extension challenge: Total: /25