

Habitats and Adaptations with Nova the Owl

Learning objective: To identify, describe, and understand how living things are suited to and adapted for their habitats.

Read each question carefully and use your knowledge of habitats to provide full answers. Think about how an animal's features help it survive in its environment.

Nova the owl is observing different environments. A habitat provides everything a living thing needs to survive: food, water, air, and shelter. An adaptation is a special feature that helps an animal or plant live successfully in its habitat.

Word bank: habitat · adaptation · environment · survive · shelter · predator · prey

1. Define the term 'habitat'. What are the four main things a living thing needs from its habitat to survive? (2 marks)

2. Nova observes a polar bear in the Arctic. Name one physical adaptation of the polar bear and explain how it helps the animal stay warm. (2 marks)

3. Explain why a cactus is well-suited to a desert environment. Think about how it manages water. (2 marks)

4. Imagine an animal moves from a forest to a hot, dry desert. Why might it struggle to survive there? (2 marks)

5. Look at a local pond or park near your school. List two living things you might find there and one way they are adapted to that specific environment. (3 marks)

Draw: Draw an imaginary creature that is perfectly adapted to live in a dark, deep-sea cave. Label two of its special features (like large eyes or glowing skin) and explain how they help it.



Extension challenge: Research an endangered species. Write a short paragraph explaining how changes to its habitat are making it difficult for the animal to find food or shelter.