

Nova's Habitat Expedition

Learning objective: To identify how animals and plants are adapted to suit their environment in different habitats.

Nova the owl has been exploring different habitats across the UK and beyond. Look at the list of animals and plants below. Sort them into the correct habitat column based on their special adaptations. For each item, write one sentence explaining how that feature helps the organism survive in that specific environment.

Word bank: Polar Bear · Cactus · Water Lily · Camel · Arctic Fox · Mangrove Tree

1. Sort the following into two habitats: 'Polar/Cold' or 'Desert/Hot'. Organisms: Polar Bear, Cactus, Camel, Arctic Fox. Explain one adaptation for each. (8 marks)

2. Why do you think a Water Lily has broad, flat leaves that float on the surface of a pond? (2 marks)

3. If a Camel moved to the Arctic, which of its current adaptations would no longer be useful? Explain why. (2 marks)

4. True or False: An animal's habitat provides everything it needs to survive, such as food, water, and shelter. Give an example. (2 marks)

5. Imagine a new creature that lives in a dark, underground cave. What is one feature it might have to help it survive in that habitat? (1 mark)

Draw: Draw your own 'Nova's Dream Creature'. Imagine an animal that is perfectly adapted to live in a forest habitat. Label two of its special features (e.g., sharp claws for climbing, camouflage fur).



Extension challenge: Research a local habitat near your school, such as a hedgerow or a park. List three living things you find there and describe how they are suited to that specific environment.