

# Nova's Habitat Expedition

*Learning objective: To identify and describe how different animals are suited to their environments and understand the impact of environmental changes on habitats.*

Read the passage below carefully and answer the questions. Use the word bank to help you with your scientific vocabulary.

Nova the barn owl loves to explore different habitats. A habitat is the natural home of an animal or plant. Whether it is a dark, damp woodland or a hot, sandy desert, every living thing has special features called adaptations that help it survive in its environment. For example, a polar bear's thick fur keeps it warm in the freezing Arctic, while a cactus can store water to live in dry conditions. Sometimes, humans change the environment by building roads or cutting down trees. This can have a big impact on the animals that live there, making it harder for them to find food or shelter.

*Word bank: habitat · environment · adaptation · survive · food chain · impact*

**1. Using the passage, define what a 'habitat' is in your own words. (2 marks)**

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**2. Nova spots a frog living in a pond. Suggest one adaptation the frog has that helps it survive in a pond environment. (2 marks)**

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**3. Why might a change in an environment, such as building a new road, be dangerous for local wildlife? (2 marks)**

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**4. Look at a woodland habitat. Name one producer (a plant) and one consumer (an animal) that might form part of a food chain there. (2 marks)**

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**5. True or False: Animals can easily survive if their habitat is destroyed. Explain your answer. (2 marks)**

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**Draw: Draw a picture of an animal in its natural habitat. Label two adaptations that help it survive (e.g., camouflage, webbed feet, or sharp eyesight).**



*Extension challenge: Research a local habitat near your school. Write a short paragraph explaining what would happen to the animals living there if the weather became much warmer or much wetter over time.*