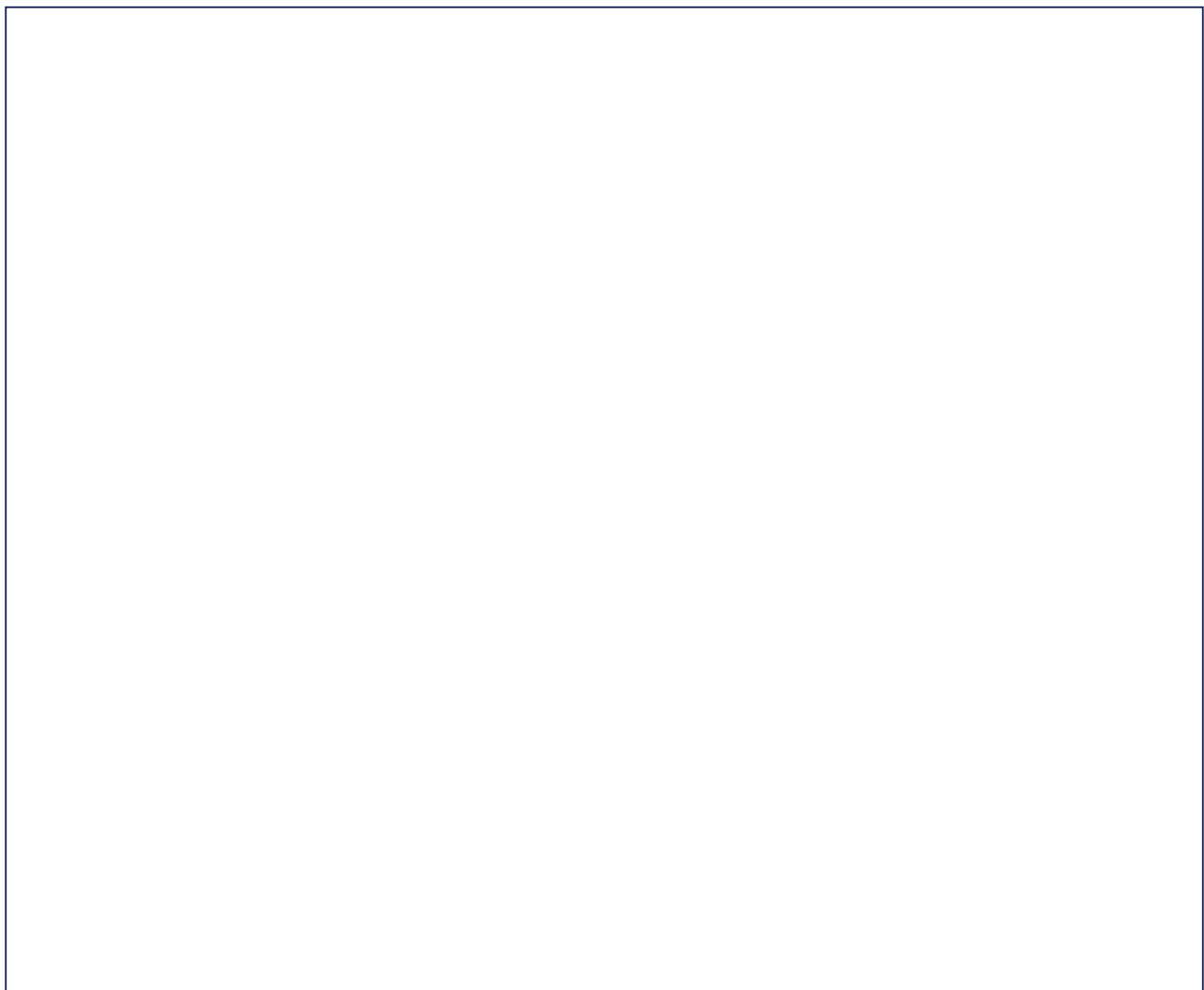


Nova's Evolution Explorations: Adapting to the Environment

Learning objective: To identify how animals are adapted to suit their environment in different ways and that adaptation may lead to evolution.

Follow Nova the owl's guide to drawing and labelling the adaptations of a fictional creature. Use the word bank to ensure your diagram is scientifically accurate.

Draw: Create a detailed scientific sketch of a fictional animal adapted to a specific habitat (e.g., a desert, a deep ocean trench, or a frozen tundra). The style should be like a field biologist's notebook: clear, annotated lines pointing to specific physical features such as fur thickness, eye shape, limb structure, or colour patterns. Ensure the habitat is sketched in the background to show the relationship between the animal and its surroundings.



Label words: Environment · Adaptation · Camouflage · Survival · Inherited characteristics · Natural selection

Steps:

1. Step 1: Draw a creature that lives in a snowy, mountainous habitat. Label two features that help it survive in freezing temperatures.
2. Step 2: Explain how one of your drawn adaptations helps the creature find food or avoid predators.
3. Step 3: Define 'adaptation' in your own words based on what you have learned about evolution.

4. Step 4: If the environment suddenly became a hot, sandy desert, list one change your creature would need to survive over many generations.
5. Step 5: Why is it important for offspring to have inherited characteristics from their parents to ensure the survival of a species?