

Adaptations through Modification of body Parts

A. Choose the correct answer:

1. Which body part helps birds to fly?

- a) Beak
- b) Wings
- c) Tail
- d) Feet

2. Why do fish have gills?

- a) To help them swim
- b) To breathe underwater
- c) To store food
- d) To protect their body

3. Camels have long legs and padded feet to:

- a) Run fast in the forest
- b) Store food in their body
- c) Walk easily on sand without sinking
- d) Stay cool in cold climates

B. Fill in the Blanks:

1. Birds have _____ bones to make their bodies light for flying.
2. Ducks have _____ feet that help them swim in water.
3. The long trunk of an elephant is used for _____ and _____.

C. Case Study:

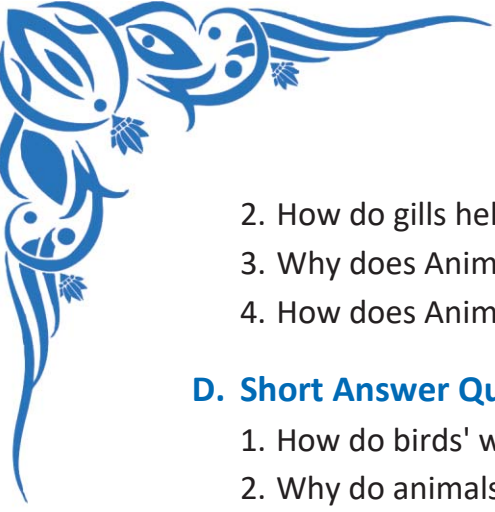
A scientist, Dr. Mehta, studied how animals survive in different environments by modifying their body parts. He observed the following:

- **Animal A** (a fish) has fins and gills that help it live underwater.
- **Animal B** (a chameleon) can change its body color to blend with surroundings.
- **Animal C** (a camel) has a hump to store fat and survive in the desert without food or water for days.

After his research, Dr. Mehta concluded that animals develop special body features over time to help them survive in their habitat.

Questions & Answers:

1. What was Dr. Mehta studying in his research?



2. How do gills help Animal A survive in water?
3. Why does Animal B change its body color?
4. How does Animal C's hump help it live in the desert?

D. Short Answer Questions:

1. How do birds' wings help them fly?
2. Why do animals living in cold places have thick fur?
3. How do webbed feet help ducks and frogs?

E. Long Answer Questions:

1. Explain how different animals adapt their body parts to survive in different habitats.
2. Describe how the beak shape of different birds helps them eat different types of food.
3. How do desert animals survive in extreme heat and scarcity of water?