

Grade 4 Science Worksheet:1 (DifficultyLevel: Difficult)

Name: _____

Date: _____

Section 1: Fill in the Blanks

1. Animals in the Arctic have _____ fur to trap air and insulate their bodies.
 2. _____ is the process by which animals adjust to their habitats over generations to survive.
 3. Desert animals often have _____ kidneys to conserve water.
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Section 2: True or False

1. Camouflage can serve both as a defense mechanism and a hunting strategy.
 2. Animals in rainforests have adaptations that help them store water for dry seasons.
 3. The migration of birds is triggered by changes in temperature and food availability.
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Section 3: Multiple-Choice Questions

1. Which of the following adaptations is most likely found in nocturnal animals?
 - a) Brightly colored fur
 - b) Sharp night vision
 - c) Thick blubber
2. How do cacti help desert animals survive?
 - a) By providing shelter
 - b) By storing water
 - c) By attracting predators
3. Which adaptation is unique to marine mammals like seals?
 - a) Sharp teeth
 - b) Blubber for insulation
 - c) Hollow bones
4. What allows animals like geckos to climb smooth surfaces?
 - a) Sticky pads on their feet
 - b) Strong claws
 - c) Long tails
5. Why do some rainforest animals have prehensile tails?
 - a) For defense against predators

- b) To climb and grasp objects
 - c) To store energy
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Section 4: Short Answers

1. Explain the role of fat or blubber in helping animals survive cold climates.
 2. How do adaptations in plant-eating animals differ from those in meat-eating animals?
 3. What specific challenges do animals face in desert environments, and how do their adaptations help them overcome these?
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Section 5: Analyze and Infer

1. Imagine you encounter an animal with webbed feet, sharp claws, and thick fur. Describe its likely habitat and explain how these adaptations help it survive.
 2. Compare the adaptations of two different animals from extreme habitats (e.g., polar bear vs. camel). How are their adaptations similar and different?
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Section 6: Explore and Illustrate

Design an animal that can survive both in freezing polar climates and scorching deserts. Describe at least three adaptations and explain how each helps the animal survive.

BE THE CHAMPION