

Grade 4 Science Worksheet:2 (DifficultyLevel:Difficult)

Name: _____

Date: _____

Section 1: Multiple Choice Questions

Choose the correct answer:

1. Which of the following is an example of a structural adaptation?
 - a) Birds migrating south during winter
 - b) A chameleon's ability to change color
 - c) A cheetah's speed to chase prey
 2. Why do some animals in the desert have long eyelashes?
 - a) To enhance their vision at night
 - b) To protect their eyes from sand
 - c) To store moisture
 3. Animals in the tundra region often have which of the following adaptations?
 - a) Thin fur to release heat
 - b) Hollow hairs to trap air for insulation
 - c) Brightly colored skin for camouflage
 4. Which of the following is not a type of adaptation?
 - a) Behavioral adaptation
 - b) Structural adaptation
 - c) Evolutionary failure
 5. What helps plants survive in nutrient-poor soil environments?
 - a) Deep roots to anchor in place
 - b) The ability to trap and digest insects
 - c) Large leaves to absorb more sunlight
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Section 2: Fill in the Blanks

1. The long neck of a giraffe is a _____ adaptation that helps it feed on tall trees.
2. _____ adaptations help animals survive by changing their behavior in response to environmental challenges.

3. Animals in the desert store water and fat in their _____ to survive long periods without food or water.
 4. _____ is the process by which species develop traits that help them survive and reproduce in their environment.
 5. Some fish have flattened bodies to _____ in fast-moving water.
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Section 3: True or False

1. The sharp beak of a woodpecker is a behavioral adaptation.
 2. Desert plants grow shallow roots to absorb dew quickly.
 3. Arctic foxes have fur that changes color to blend with seasonal environments.
 4. Hibernation is a structural adaptation in animals.
 5. Animals with specialized diets are more vulnerable to habitat changes than generalist feeders.
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Section 4: Matching Questions

Match the adaptation with the animal or plant:

1. Ability to photosynthesize underwater
2. Storing fat in a hump
3. Camouflage in the jungle
4. Growing aerial roots for oxygen
5. Producing sticky nectar to trap insects

Animals/Plants:

- Camel
 - Pitcher plant
 - Mangroves
 - Seaweed
 - Tiger
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Section 5: Short Answer Questions

1. How does mimicry help animals survive in the wild?

2. Describe one way animals in the ocean have adapted to pressure at great depths.

3. Why do some trees in the rainforest have buttress roots?

4. What is the purpose of migration in certain bird species?

5. Explain why desert animals are often nocturnal.

Section 6: Critical Thinking

1. A polar bear moves to a forested area due to climate changes. List three challenges it might face and how it could adapt.

2. Why might animals in tropical rainforests develop brighter colors compared to animals in the Arctic?

3. Many plants in windy areas have small, tough leaves. Explain how this helps them survive.

4. Design an animal that can survive both in a rainforest and in a desert. Describe its features and why they are useful.

5. How does human activity, such as deforestation, affect the survival adaptations of different species?