

**Grade 4 Science Worksheet: adaptation in plants\_4**  
**(DifficultyLevel:Intermediate)**

**Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

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**Part 1: Fill in the Blanks**

1. Pine trees have \_\_\_\_\_ leaves to survive freezing temperatures.
  2. Rainforest plants often grow \_\_\_\_\_ on their leaves to allow rainwater to drain.
  3. Aquatic plants have small \_\_\_\_\_ since they do not need to dig deep for water.
  4. Desert plants like cacti use their \_\_\_\_\_ to absorb water from the soil.
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**Part 2: True or False**

1. **Aquatic plants have broad leaves to prevent water loss.**

\_\_\_\_\_

2. **Rainforest plants' roots are adapted to absorb rainwater quickly.**

\_\_\_\_\_

3. **Cacti use spines to store water during dry periods.**

\_\_\_\_\_

4. **Pine trees grow in snowy areas because of their needle-like leaves.**

\_\_\_\_\_

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**Part 3: Multiple Choice Questions (MCQs)**

1. **How do aquatic plants survive in water?**  
A) By having floating, hollow leaves  
B) By growing deep roots  
C) By storing water in leaves  
D) By using spines to float

2. **What adaptation allows cacti to survive in deserts?**
    - A) Large leaves to absorb sunlight
    - B) Thick stems for water storage and spines for protection
    - C) Deep roots for stability
    - D) Waxy leaves to float
  3. **What is the advantage of pine trees' cone shape?**
    - A) It allows better absorption of water.
    - B) It lets snow slide off easily.
    - C) It helps retain sunlight for photosynthesis.
    - D) It makes the tree grow faster.
  4. **How do rainforest plants manage heavy rainfall?**
    - A) They grow large roots to absorb the water.
    - B) They grow waterproof stems to store water.
    - C) They develop drip tips to let water flow off the leaves.
    - D) They develop hollow leaves to float.
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**Bonus Question:**

Explain why aquatic plants do not need deep roots but desert plants often have widespread or deep root systems.

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**-BE THE CHAMPION-**