

Grade 4 Science Worksheet: adaptation in plants_1
(DifficultyLevel:Intermediate)

Name: _____

Date: _____

Part 1: Fill in the Blanks

1. Pine trees grow in _____ regions and are shaped to let snow slide off.
 2. Lotus plants have _____ roots because they don't need to dig deep for water.
 3. Thick stems in cacti help them _____ water during droughts.
 4. Rainforest plants sometimes grow on other _____ to access sunlight.
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Part 2: True or False

1. **Aquatic plants have waxy coatings on their leaves to keep water inside.**
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2. **Rainforest plants grow large leaves to catch sunlight.**
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3. **Cacti need to absorb water quickly during rare rains.**
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4. **Pine trees have broad leaves to gather sunlight in snowy climates.**
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Part 3: Multiple Choice Questions (MCQs)

1. **Why do cacti have shallow roots?**
 - A) To conserve water
 - B) To absorb water quickly after rainfall
 - C) To anchor themselves deeply in the soil
 - D) To grow in rocky terrain

2. **What feature helps aquatic plants breathe underwater?**
 - A) Waterproof leaves
 - B) Hollow stems
 - C) Large leaves
 - D) Needle-shaped roots
 3. **How do pine trees manage the weight of snow?**
 - A) By storing water in stems
 - B) By growing cone-shaped and having strong branches
 - C) By having thick leaves
 - D) By developing drip tips
 4. **Which adaptation is unique to desert plants?**
 - A) Floating on water
 - B) Growing spines and storing water in stems
 - C) Growing tall to access sunlight
 - D) Having flat, waterproof leaves
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Bonus Question:

Describe the importance of adaptation in plants. Why would a rainforest plant struggle in a desert?

-BE THE CHAMPION-