

Alpha Level 4

How Do Plants Grow Here



Written by Anna Porter

A Write the word for each picture.

desert, crack, volcano, roots
cactus plants, frozen, melt, mangrove plants



cactus plants



Mangrove plants



frozen



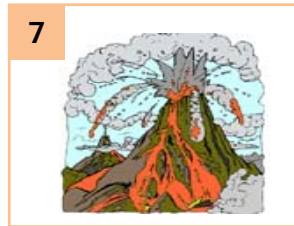
melt



crack



desert



volcano



roots

B Write the correct word to complete the sentence.

absorb
thaw
clump
cling
stored

1. Some salt is stored in the leaves of the mangrove plant.
keep something

2. Roots help plants to absorb water after rain.
suck up or take up

3. The roots of the plants grow in the thaw ed ground.
snow and ice melt

4. Some plants cling to and spread across the side of rocks and mountains.
hold close, hold tight

5. The plants grow in low clump s.
a group of similar things, "a bunch of trees"

C Write the correct word to complete the sentence.

as

like

down

to

rid

1. The plant **gets** rid **of** the salt by dropping leaves.
2. When the lava **cools** down it becomes hard and rocky.
3. Roots absorb **as** much water as **possible** after heavy rain.
4. Mangrove plants have roots that **are** like filters.
5. Some plants adopt in places where other plants would not **be able** to grow.

D Read the two words. Write them together as one word.

A compound word is made from two shorter words.

sea + shore = seashore

butter + fly = butterfly

rain + water = rainwater sea + shell = seashell

sea + weed = seaweed rain + bow = rainbow

➤ Complete each sentence with a compound word.

1. A rainbow hangs in the sky.



2. I picked up a seashell when I walked along the beach.



3. Seaweed grows in oceans.



4. The rounded noon flower stores rainwater in its thick leaves.



A Answer the following questions.

1. The main purpose of the book is _____.
 - a) to explain how plants survive in different environments
 - b) to give information about parts of plants
 - c) to persuade why people should protect environments.
2. How do plants grow in rocky places? (p.g. 6~7)
 - a) Plants keep water in their leaves.
 - b) Plant roots stretch deep into cracks in the rock.
 - c) Plants hang on the rock.
3. How can some plants grow in salty water? (p.g. 10~13)
 - a) The plants grow in low clumps.
 - b) The plants keep water in their leaves.
 - c) The plants filter water with roots and leaves.
4. How does seaweed grow under water?
 - a) Seaweed gets food from saltwater.
 - b) Seaweed changes energy from sunlight into food.
 - c) Seaweed gets rid of the salt by dropping leaves.
5. Which is **NOT** correct about plants that live in desert get enough water? (p.g 14~17)
 - a) Some plants have long roots that grow deep into the ground.
 - a) Some plants have tiny hairs that are able to catch rainwater.
 - b) Some plants have thick stems that can collect and store water.

B Read and circle "T" for true or "F" for false.

1. All plants can not live in salty water. T / **F**
2. Plants can grow almost anywhere in the world. **T** / F
3. To protect from strong wind, some plants grown in low clumps. **T** / F
4. Plants can not survive in rocky places. T / **F**
5. Cactus plants have long roots that grow close to the surface. **T** / F

C Write the summary Main Idea and details.

Main Idea	Some plants have ways of surviving in places where most other plants would die.
Details	
Rocky places	Plant roots travel deep into <u>cracks</u> in the rock.
Salty water	The <u>roots</u> keep out some of the salt in the sea water. Some plants store <u>rainwater</u> in <u>thick leaves</u> . <u>Seaweed</u> changes energy from sunlight into food to grow.
Hot dry deserts	Some plants use tiny hairs to trap rainwater. Cactus plants have long <u>roots</u> to absorb <u>water</u> . Cactus plants have thick stems to store water.
Cold places	Plants grow in low <u>clumps</u> . Plants cling to and spread across the side of rocks and mountains.

D Write and speak. Choose and write words for each environment.


This place is

cold and frozen

The strong wind blows.



This place is

hot and dry

There is little rain.

rocky cracks hard salty sandy hot dry cold frozen
 little rain strong wind blows