



Name _____ Class _____ Date _____

1 _____ are **changes or features** that help an organism survive in a particular environment.

- A Instincts
- B Adaptations
- C Habits
- D Abilities



3 Which is the **biggest benefit** of a plant having **long roots** in the desert?

- A makes plant taller to reach more light
- B can absorb more sunlight
- C allows plant to stay anchored



2 Which **adaptation** would most help a cactus living in the **desert**?

- A having large leaves
- B having short roots
- C the ability to store water in its stem
- D having a thin stem



4 Some plants have a **waxy coating** on their stems and leaves to help reduce water loss. In what type of **environment** would a waxy coating be most beneficial?



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7 _____
A evergreens keep needles all year round
B evergreens lose their needles in winter
C needles keep the warm air out
D needles let water out of the tree quickly

- A plant leaves have hair that keep in cold
- B plant leaves have hair that keep out heat
- C plant leaves have hair that trap in heat
- D plant leaves not able to produce food in winter

9 Tall grasses in the grasslands have a special adaptation that allows the **roots** to remain alive even if the grasses above the soil die. **After which event** would this adaptation be most crucial to these grasses?

- A a thunderstorm
- B a wildfire
- C a flood
- D a windy day



10 **Mosses** normally grow extremely low to the ground. **What is one way** mosses **reach sunlight**?

- A they grow under rocks
- B they grow longer stems
- C they grow underground
- D they grow on top of other objects





ANSWER KEY

_____ are **changes or features** that help an organism survive in a particular environment.

- A Instincts
- B Adaptations
- C Habits
- D Abilities



(b)

Which **adaptation** would most help a cactus living in the **desert**?

- A having large leaves
- B having short roots
- C the ability to store water in its stem
- D having a thin stem



(c)

Which is the **biggest benefit** of a plant having **long roots** in the desert?

- A makes plant taller to reach more light
- B can absorb more sunlight
- C allows plant to stay anchored
- D can absorb limited water deep



(d)

Some plants have a **waxy coating** on their stems and leaves to help reduce water loss. In what type of **environment** would a waxy coating be most beneficial?

- A hot
- C moist



(a)



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- B evergreens lose their needles in winter
- C needles keep the warm air out
- D needles let water out of the tree quickly

- B plant leaves have hair that keep out heat
- C plant leaves have hair that trap in heat
- D plant leaves not able to produce food in winter

Tall grasses in the grasslands have a special adaptation that allows the **roots** to remain alive even if the grasses above the soil die. After which **event** would this adaptation be most crucial to these grasses?

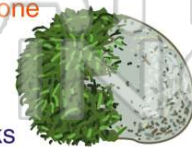
- A a thunderstorm
- B a wildfire
- C a flood
- D a windy day



(b)

Mosses normally grow extremely low to the ground. What is **one way** mosses **reach sunlight**?

- A they grow under rocks
- B they grow longer stems
- C they grow underground
- D they grow on top of other objects



(d)