



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 What adaptation do plants that **live in water** have that is essential to their survival in the water?

**A** flexible leaves and stems  
**B** small flowers  
**C** short roots  
**D** long leaves



2 \_\_\_\_\_ plants are plants that **require more than 12 hours exposure to daylight** in order to produce flowers.

**A** Dicot  
**B** Perennial  
**C** Short-day  
**D** Long-day




3 In which **season** do **long-day plants** flower the most?

**A** winter  
**B** spring  
**C** summer  
**D** fall



4 \_\_\_\_\_ plants flower only if they are exposed to daylight **12 hours or less.**

**A** Monocot  
**B** Perennial  
**C** Short-day



5



**PREVIEW**


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7

**A** water  
**B** nitrogen  
**C** sunlight  
**D** nutrient




**A** It would grow too tall.  
**B** It would not take in sufficient amounts of water and nutrients.  
**C** It would only produce one flower.  
**D** It would have a longer life span.




9 Plants compete for space underground so that their roots can absorb plenty of water and nutrients from the soil. **Why do plants compete for space above ground?**

**A** to grow wider  
**B** to absorb nutrients from air  
**C** to take in water  
**D** to reach sunlight



10 A plant's **location** is essential to its survival. If plants grow **too close** together, they would have to compete for important **limited resources** with each other in that small area. **What is a frequent outcome of a scenario like this?**

**A** all plants live  
**B** many plants die  
**C** many plants live  
**D** all plants die





## ANSWER KEY

What adaptation do plants that **live in water** have that is essential to their survival in the water?

- A flexible leaves and stems
- B small flowers
- C short roots
- D long leaves



(a)

\_\_\_\_\_ plants are plants that require **more than 12 hours** exposure to daylight in order to produce flowers.

- A Dicot
- B Perennial
- C Short-day
- D Long-day



(d)

In which **season** do **long-day plants** flower the most?

- A winter
- B spring
- C summer
- D fall



(c)

\_\_\_\_\_ plants flower only if they are exposed to daylight **12 hours or less**.

- A Monocot
- B Perennial
- C Short-day
- D Long-day



(c)



## PREVIEW

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- B nitrogen
- C sunlight
- D nutrient



- B it would not take in sufficient amounts of water and nutrients.
- C It would only produce one flower.
- D It would have a longer life span.

Plants compete for space underground so that their roots can absorb plenty of water and nutrients from the soil. **Why do plants compete for space above ground?**

- A to grow wider
- B to absorb nutrients from air
- C to take in water
- D to reach sunlight



(d)

A plant's **location** is essential to its survival. If plants grow **too close** together, they would have to compete for important **limited resources** with each other in that small area. **What is a frequent outcome of a scenario like this?**

- A all plants live
- B many plants die
- C many plants live
- D all plants die



(b)