



Name _____ Class _____ Date _____

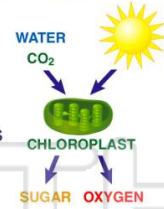
1 The diagram below shows a **growth response** in a plant. This growth response results from the

- A conversion of mechanical energy into radiant energy
- B action of contractile fibers
- C conversion of light energy into heat energy
- D action of plant hormones



2 The use of CO₂ and H₂O by a geranium plant to **synthesize glucose** illustrates the process of

- A autotrophic nutrition
- B heterotrophic nutrition
- C protein production
- D carbohydrate hydrolysis



3 Which process in plants is **not controlled** by **hormones**?

- A transport of glucose downward in stems



4 A farmer found that one tree in his pear orchard produced especially delicious fruit. Which **method** would most quickly provide a large crop of these pears?

- A planting seeds of the pears from this tree
- B crossing this tree with another



PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

5 D tracheophyte



- C active transport
- D autotrophic nutrition

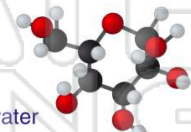


9 Plants in areas with short growing seasons often have **more chloroplasts** in their cells than plants in areas with longer growing seasons. Compared to plants in areas with longer growing seasons, plants in areas with **shorter growing seasons** most likely

- A make and store food more quickly
- B have a higher rate of protein metabolism
- C grow taller
- D have a different method of respiration

10 In plants, **simple sugars** are least likely to be

- A linked together to form proteins
- B broken down into carbon dioxide and water
- C used as a source of energy
- D stored in the form of starch molecules





Name _____ Class _____ Date _____

1 The diagram below shows a **growth response** in a plant. This growth response results from the

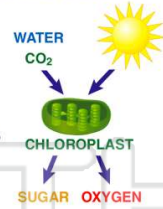
- A conversion of mechanical energy into radiant energy
- B action of contractile fibers
- C conversion of light energy into heat energy
- D action of plant hormones



D

2 The use of CO₂ and H₂O by a geranium plant to **synthesize glucose** illustrates the process of

- A autotrophic nutrition
- B heterotrophic nutrition
- C protein production
- D carbohydrate hydrolysis



A

3 Which process in plants is **not controlled** by **hormones**?

- A transport of glucose downward in stems



A

4 A farmer found that one tree in his pear orchard produced especially delicious fruit. Which **method** would most quickly provide a large crop of these pears?

- A planting seeds of the pears from this tree
- B crossing this tree with another



D

5



B

PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

7

- D tracheophyte



- C active transport
- D autotrophic nutrition



D

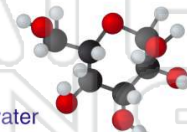
9 Plants in areas with short growing seasons often have **more chloroplasts** in their cells than plants in areas with longer growing seasons. Compared to plants in areas with longer growing seasons, plants in areas with **shorter growing seasons** most likely

- A make and store food more quickly
- B have a higher rate of protein metabolism
- C grow taller
- D have a different method of respiration

A

10 In plants, **simple sugars** are least likely to be

- A linked together to form proteins
- B broken down into carbon dioxide and water
- C used as a source of energy
- D stored in the form of starch molecules



A