



Name _____ Class _____ Date _____

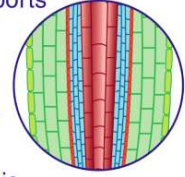
1 In **flowering plants**, the ripened **ovary** develops into a

- A seed
- B cotyledon
- C fruit
- D zygote



2 **Vascular tissue** that transports water in leaves connects directly to

- A meristems in the root tip
- B pistils in the flower
- C root hairs in the epidermis
- D xylem in the stem



3 In trees, shrubs, and other woody plants, the **exchange of CO₂ and O₂** with the environment may occur through structures known as

- A spiracles
- B anthers



4 After several days near a window, a house plant began to grow toward the window. **This growth pattern occurred because auxins**

- A prevent the growth of cells on the light side of the plant
- B stimulated the growth of cells on the dark side of the plant



PREVIEW

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

7
T
P
A
E
C adenine
D DNA



- C ovary
- D ovule



9
sun
A water
chlorophyll & enzymes
B glucose
D oxygen
C carbon dioxide

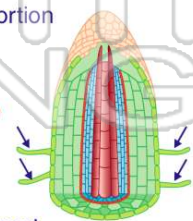
Which equation illustrates a **process of nutrition** carried out within the **leaf**?

- A $B + D \rightarrow A + C$
- B $A + C \rightarrow A + B + D$
- C $B + C \rightarrow A + D$
- D $A + B + D \rightarrow B + C$

10 The diagram represents a portion of a cross section of a root.

Materials enter the root at the location of the arrows by

- A diffusion, only
- B phagocytosis, only
- C diffusion and active transport
- D phagocytosis and pinocytosis





ANSWER KEY

In **flowering plants**, the ripened **ovary** develops into a

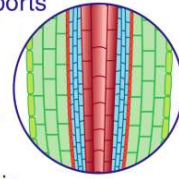
- A** seed
- B** cotyledon
- C** fruit
- D** zygote



(C)

Vascular tissue that transports water in leaves connects directly to

- A** meristems in the root tip
- B** pistils in the flower
- C** root hairs in the epidermis
- D** xylem in the stem



(d)

In trees, shrubs, and other woody plants, the **exchange of CO₂ and O₂** with the environment may occur through structures known as

- A** spiracles
- B** anthers
- C** lenticels
- D** stomata



(C)

After several days near a window, a house plant began to grow toward the window. **This growth pattern occurred because auxins**

- A** prevent the growth of cells on the light side of the plant
- B** stimulated the growth of cells on the dark side of the plant
- C** are activated when exposed to light
- D** are distributed toward the light



(b)



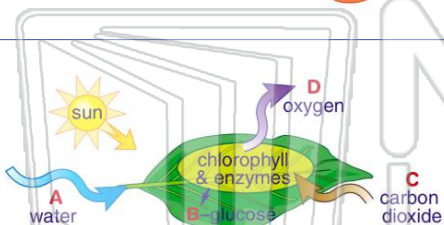
PREVIEW

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

D DNA



D ovule



Which equation illustrates a **process of nutrition** carried out within the **leaf**?

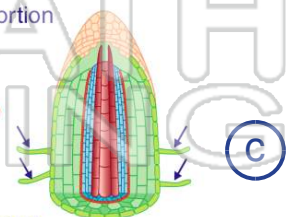
- A** $B + D \rightarrow A + C$
- B** $A + C \rightarrow A + B + D$
- C** $B + C \rightarrow A + D$
- D** $A + B + D \rightarrow B + C$

(b)

The diagram represents a portion of a cross section of a root.

Materials enter the root at the location of the arrows by

- A** diffusion, only
- B** phagocytosis, only
- C** diffusion and active transport
- D** phagocytosis and pinocytosis



(c)