

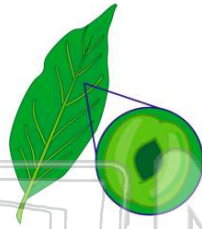


Name _____ Class _____ Date _____

1 The diagram shows a microscopic view of the **lower epidermis** of a leaf

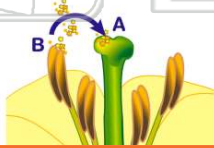
The **enlarged area** is known as

- A a stoma
- B a lenticel
- C xylem tissue
- D phloem tissue



3 The **transfer** of **reproductive structures** from B to A shown in this flower diagram is known as

- A fertilization
- B differentiation
- C self-pollination



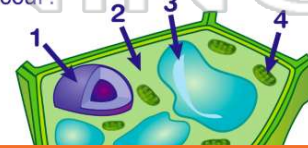
2 Which statement illustrates a **plant tropism**?

- A A stem bends towards the light.
- B An apple develops from a flower.
- C Water moves through vascular tissue.
- D Carbon dioxide diffuses out of a stem.



4 In which structure of the cell shown in the diagram do **photosynthesis** and **carbon-fixation** reactions occur?

- A 1
- B 2
- C 3



5



PREVIEW

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- B They are used as nutrients.
- C They recycle the residue of dead organisms.
- D They control environmental temperature.

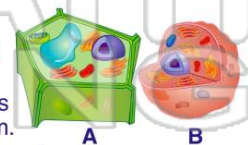
- response to a decreased rate of photosynthesis.
- C Guard cells change the size of leaf openings, regulating the exchange of gases.
- D Guard cells release oxygen from the leaf at night.

9 A student was comparing preserved specimens of three plant species, X, Y, and Z, in a classroom. Which statement is an example of an **observation** the student could have made and **not** an inference?

- A The leaves produced by plant X are 4 cm across and 8 cm in length.
- B Plant Y has large purple flowers that open at night.
- C Plant X produces many seeds that are highly attractive to finches.
- D The flowers of plant Z are poisonous to household pets.

10 Which statement best describes these **cells**?

- A Cell B lacks vacuoles while cell A has them.
- B DNA would not be found in either cell A or cell B.
- C Both cell A and cell B use energy released from ATP.
- D Both cell A and cell B produce antibiotics.



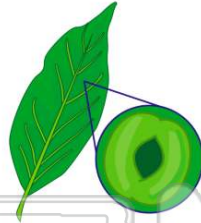


ANSWER KEY

The diagram shows a microscopic view of the **lower epidermis** of a leaf

The **enlarged area** is known as

- A a stoma
- B a lenticel
- C xylem tissue
- D phloem tissue



(a)

Which statement illustrates a **plant tropism**?

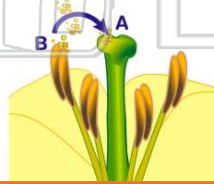
- A A stem bends towards the light.
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- C Water moves through vascular tissue.
- D Carbon dioxide diffuses out of a stem.



(a)

The **transfer of reproductive structures** from B to A shown in this flower diagram is known as

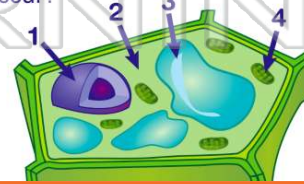
- A fertilization
- B differentiation
- C self-pollination
- D cross-pollination



(c)

In which structure of the cell shown in the diagram do **photosynthesis** and **carbon-fixation** reactions occur?

- A 1
- B 2
- C 3
- D 4



(d)



PREVIEW

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- C They recycle the residue of dead organisms.
- D They control environmental temperature.

- C Guard cells change the size of leaf openings, regulating the exchange of gases.
- D Guard cells release oxygen from the leaf at night.

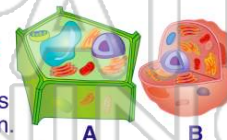
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(a)

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(a)