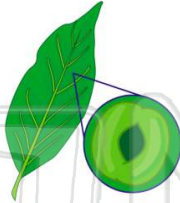




Name _____ Class _____ Date _____


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

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



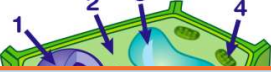
- A A stem bends towards the light.
- B An apple develops from a flower.
- C Water moves through vascular tissue.
- D Carbon dioxide diffuses out of a stem.

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



- A fertilization
- B pollination
- C germination
- D seed dispersal

4 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



PREVIEW

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8

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

6


response to a decrease 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.

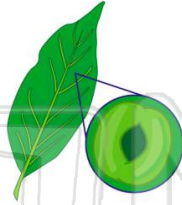


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A

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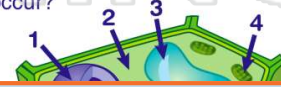
- A fertilization



C

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

- A 1
- B 2



D



5

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7

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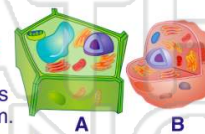
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