



Name _____ Class _____ Date _____

1 A **gymnosperm** produces _____ as reproductive structures.

- A leaves
- B flowers
- C cones
- D stems



2 A gymnosperm's cones are **only** female reproductive structures.

- A true
- B false



3 In plants, what are the cells called **before** they become **sperm cells**?

- A eggs
- B pollen
- C mature
- D fertilization



4 Reproduction **begins** with **gymnosperms** when the _____.

- A egg is fertilized in the ovule
- B pollen matures into sperm cells



5



PREVIEW

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7

- A branch
- B leaves
- C cones
- D root cap

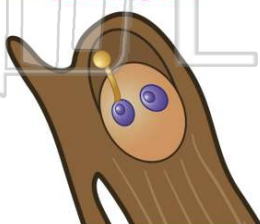


- A 1
- B 2
- C 3
- D 4



9 Once attached on the scale of a cone, what grows out of the **pollen grain**?

- A more pollen
- B another sperm cell
- C a pollen tube
- D a seed



10 What is a **pollen tube** used for?

- A to send food into the ovule
- B to give the ovule more air
- C to drain the ovule
- D to send sperm cells into the ovule





ANSWER KEY

A **gymnosperm** produces _____ as reproductive structures.

- A leaves
- B flowers
- C cones
- D stems



(c)

A **gymnosperm's** cones are **only** female reproductive structures.

- A true
- B false



(b)

In plants, what are the cells called **before** they become **sperm cells**?

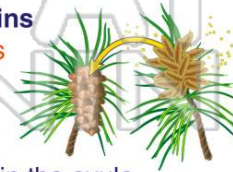
- A eggs
- B pollen
- C mature
- D fertilization



(b)

Reproduction **begins** with **gymnosperms** when the _____

- A egg is fertilized in the ovule
- B pollen matures into sperm cells
- C egg matures into an embryo



(a)



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D root cap



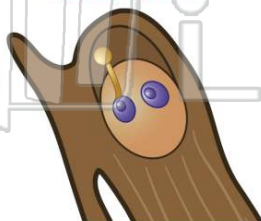
- C 3
- D 4



OVULE

Once attached on the scale of a cone, what grows out of the **pollen grain**?

- A more pollen
- B another sperm cell
- C a pollen tube
- D a seed



(c)

What is a **pollen tube** used for?

- A to send food into the ovule
- B to give the ovule more air
- C to drain the ovule
- D to send sperm cells into the ovule



(d)