

Plant Reproduction Quiz PDF

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What type of reproduction involves only one parent and no fusion of gametes?

- Sexual reproduction
- Asexual reproduction
- Cross-pollination
- Self-pollination

Which part of the flower is responsible for producing pollen?

- Stigma
- Ovary
- Anther
- Petal

Discuss the role of seed coat in seed germination and protection.

Why is genetic variation important in plant populations, and how is it achieved through reproduction?

In which type of plant life cycle do plants live for more than two years?

- Annuals
- Biennials
- Perennials
- Monocarpic

Which environmental factor is NOT essential for seed germination?

- Light
- Water
- Oxygen
- Suitable temperature

Which of the following are parts of the carpel? (Select all that apply)

- Stigma
- Style
- Anther
- Ovary

What is the first part of the seedling to emerge during germination?

- Cotyledon
- Radicle
- Shoot
- Leaf

Which of the following are pollinators? (Select all that apply)

- Birds
- Bee
- Wind

Fish

Which structure protects the flower bud before it opens?

- Petal
- Stamen
- Sepal
- Carpel

Which part of the flower attracts pollinators with color and scent?

- Sepal
- Petal
- Stamen
- Carpel

Which processes lead to genetic variation in plants? (Select all that apply)

- Cross-pollination
- Self-pollination
- Vegetative propagation
- Sexual reproduction

Explain the process of pollination and its significance in plant reproduction.

How do environmental factors influence the flowering process in plants?

What are the conditions necessary for seed germination? (Select all that apply)

- Light
- Water
- Oxygen
- Suitable temperature

What are the advantages and disadvantages of asexual reproduction in plants?

Which adaptations help plants in seed dispersal? (Select all that apply)

- Burs
- Fruits
- Nectar guides
- Mimicry

Describe the differences between self-pollination and cross-pollination.

Which of the following is NOT a pollinator?

- Wind
- Bee
- Bat
- Snail

Which methods are examples of asexual reproduction in plants? (Select all that apply)

- Runners
- Pollination
- Tubers
- Fertilization