



Which of the following is a male reproductive organ?

Which of the following is a male reproductive organ?

- A. Carpel
- B. Stamens
- C. Sepal
- D. Stalk

Show Answer...

Correct Answer: B (Stamens)

Explanation:

Stamens are the male reproductive organs of a flower. They are made up of two main parts: the filament and the anther. The filament is a thin stalk that supports the anther, which is a sac-like structure that contains the pollen. Pollen is the male gamete, or sperm cell, of the flower.

During pollination, the pollen from the anther is transferred to the stigma of the female reproductive organ, called the carpel. This fertilizes the egg cell inside the carpel and leads to the production of seeds.

In contrast, the sepal is a leaf-like structure that protects the developing flower bud before it opens, while the stalk, or pedicel, is the stem-like structure that supports the entire flower.

In summary, stamens are the male reproductive organs of a flower, and they produce pollen that is transferred to the female reproductive organ, the carpel, during pollination.