

**I. Fill in the Blank:** Write the correct answer from the word bank

asexual reproduction	binary fission	budding
fragmentation	regeneration	vegetative reproduction

- \_\_\_\_\_ 1. An organism, such as a planarian, breaks into many fragments. Each fragment can grow into a new organism.
- \_\_\_\_\_ 2. A unicellular organism, such as an amoeba, can duplicate its nucleus and divide into two cells. Each new cell is an independent organism.
- \_\_\_\_\_ 3. If a part of an organism, such as a sea star, is broken off and contains part of its center, then the broken piece can regrow into a new organism.
- \_\_\_\_\_ 4. This is the process of reproducing from one parent.
- \_\_\_\_\_ 5. A part of a plant that usually is not involved in reproduction develops into a new plant.
- \_\_\_\_\_ 6. A new individual develops on the parent organism and grows until it is able to survive on its own. It then breaks off from the parent and lives independently.

**II. Short answer:**

7. \_\_\_\_\_ occurs when a grain of pollen is transferred from an anther to the stigma of a flower.
8. The part of the plant that contains the seeds is called the \_\_\_\_\_.
9. The \_\_\_\_\_ is the male part of the flower.
10. The \_\_\_\_\_ is the female part of the flower.

11. A fertilized egg cell, called a \_\_\_\_\_, develops into an embryo.
12. Gymnosperms, such as conifers, are pollinated by the \_\_\_\_\_.
13. The period of time during which a mammal develops inside its mother's body is called \_\_\_\_\_.
14. A \_\_\_\_\_ mammal is a type of mammal whose young finishes developing in a pouch outside the mother's body.
15. A \_\_\_\_\_ mammal is a type of mammal that develops fully inside the mother's body.
16. Plants need water, oxygen, and the proper \_\_\_\_\_ to germinate.

**III. True – False:** Write "T" for True or "F" for False.

- \_\_\_\_\_ 17. An egg provides protection, nutrients, food, and waste removal for the developing egg.
- \_\_\_\_\_ 18. The embryo develops into the zygote.

**IV. Complete the Statement:** Circle the correct term

19. (Cross-pollination / Self-pollination) occurs when pollen is transferred from one plant to a different plant.
20. (Anther / Pollen) is produced by male cones in conifers.
21. A (spore / cotyledon) is smaller than a seed and consists of only one cell; does not contain any stored food for the new plant.
22. The (filament / ovary) is the part of the pistil that develops into the fruit of the plant.
23. (Wind / Insects) usually pollinate conifers.

**V. Define:** Write the complete definition

24. Angiosperm: \_\_\_\_\_
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