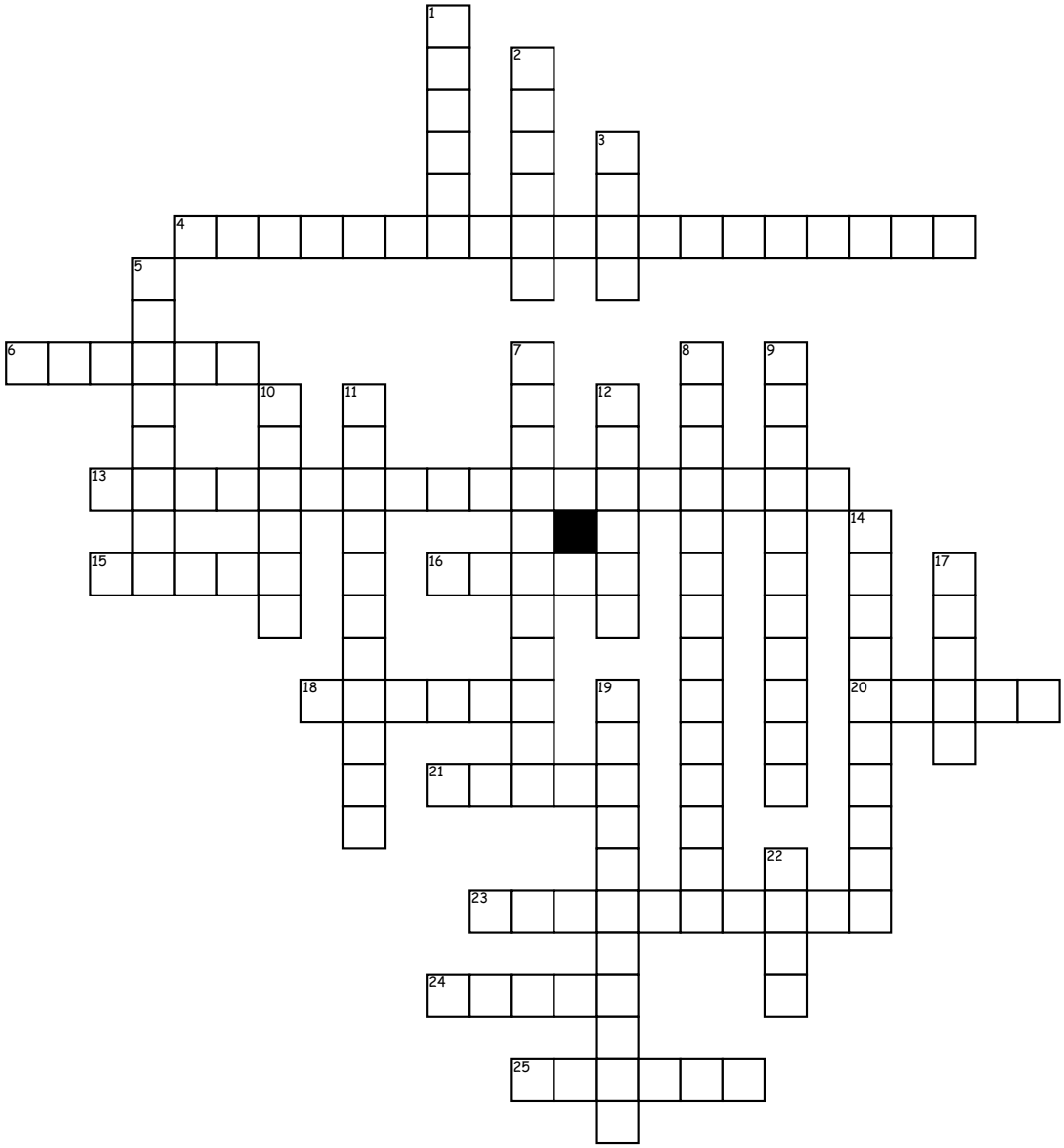
Name: _____ Date: _____

Chapter 2 Plant Vocabulary



Across

4. reproduction not requiring fertilization

6. a yellow powder produced by the stamen of a flower

13. a biological process by which plants create offspring by combining their genetic material – sperm and egg, called gametes.

15. the part of the flower's pistil that is a long, slender stalk that connects the stigma and the ovary.

16. a reproductive cell that can grow into a new organism without fertilization

18. the part of a flower's pistil that receives pollen and the pollen grain germinates

20. in the flowering plants, an ovary is a part of the female reproductive organ of the flower

21. one of the often brightly colored leaves of a flower

23. seed plants (such as conifers – pine trees or cycads) that produce "naked" seeds not enclosed in an ovary

24. made up of many cells; makes its own food through photosynthesis

25. In flowering plants (angiosperms) it begins with pollination, the transfer of pollen from anther to stigma on the same flower or to the stigma of another flower

Down

1. the female reproductive organ of a flower that can be fertilized by pollen.

2. the part of a flower's stamen that contains the pollen

3. plants without flowers that use spores instead of seeds to reproduce: has a root system, a stem, and large divided leaves, called fronds; ferns grow in moist, shady environments.

5. the part of a flower's stamen; the slender stalk, the filament supports the anther

7. an organelle in a plant cell that turns energy from the sun into chemical energy for the plant to use; contains chlorophyll

8. the process in which plants use the energy in sunlight to make food

9. a green pigment that traps energy from the sun used to photosynthesize

10. a yellow powder produced by the stamen of a flower

11. the process in which a young plant sprouts from a seed

12. a small body that contains the female reproductive cell of a plant; develops into a seed after fertilization.

14. a plant that uses flowers to reproduce; plants having seeds in a closed ovary; a plant that can produce fruit or flowers.

17. a part of a plant, shaped like a leaf, that lies at the base of a flower

19. the transfer of pollen from the stamen (male) to the stigma (female)

22. a plant structure that contains a young plant, food supply, and protective coating

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