

1. Absorption	the transport of dissolved substances into cells.	24. pistil/carpel	female part of the flower. Consists of a stigma, style, and ovary
2. Angiosperm	a flowering plant that produces seeds within a fruit	25. Pollen	a fine dust that contains the sperm of seed-producing plants
3. Anther	produces pollen	26. Pollination	transfer of pollen from the male reproductive structure to the female reproductive structure
4. Asexual reproduction	a reproductive process that involves only one parent and produces offspring that are identical to the parent	27. Reproduction	the process of producing offspring
5. Bryophyte	nonvascular plant; examples are mosses and their relatives	28. Root hairs	tiny hair-like extensions that increase the surface area of the root allowing it to absorb more water and nutrients
6. Cambium	a layer of cells in a plant that produces new phloem and xylem cells.	29. Seed	plant embryo and a food supply encased in a protective covering
7. Chlorophyll	green pigment in plants that absorbs light energy used to carry out photosynthesis	30. Sepal	a leaf-like structure that encloses the bud of a flower.
8. Chloroplast	an organelle found in plant and algae cells where photosynthesis occurs	31. Sexual reproduction	type of reproduction in which cells from two parents unite to form the first cell of a new organism
9. Cone	the reproductive structure of a gymnosperm.	32. Spore	a reproductive cell with a hard, protective coating
10. Conifer	a cone-bearing tree	33. Stamen	the male reproductive organ of a flower
11. Environment	the surroundings or conditions in which a person, animal, or plant lives or operates.	34. Stigma	part of the pistil/ carpel that the pollen sticks to during pollination
12. Fertilization	fusion of an egg and sperm cell	35. Style	the stalk of a flower's pistil/ carpel, with the ovary at the base and the stigma at the top.
13. Filament	supports the anther	36. Tissue	group of similar cells that perform a particular function
14. Flower	the reproductive structure of an angiosperm	37. Tracheophyte	vascular plant
15. Fruit	a mature ovary of a flower that protects dormant seeds and aids in their dispersal.	38. Vacuole	cell organelle that stores materials such as water, salts, proteins, and carbohydrates
16. Gamete	sex cell; sperm and egg	39. Vascular	vessels that transport nutrients
17. Germination	the process whereby seeds or spores sprout and begin to grow	40. Xylem	vascular tissue that carries water upward from the roots to every part of a plant
18. Gymnosperms	a plant that produces seeds that are exposed rather than seeds enclosed in fruits		
19. Homeostasis	process by which organisms maintain a relatively stable internal environment		
20. Meristematic	undifferentiated tissue from which new cells are formed		
21. Ovary	produces eggs; in flowers, the portion of a pistil/ carpel in which the egg-containing ovules develop.		
22. Phloem	vascular tissue that carries sugar and organic substances throughout a plant		
23. Photosynthesis	conversion of light energy from the sun into chemical energy.		