

Vocabulary List - Botany Lab

4th - 5th Grade

1. **compound leaf** - a leaf that is composed of two or more leaflets on a single petiole
2. **cotyledon** - the seed leaf, which provides food for a young plant while it is sprouting
3. **embryo** - the beginning of a plant, usually contained in the seed
4. **leaf blade** - the flat extended portion of the leaf
5. **leaf vein** - vascular tissue found in a leaf. Similar to the veins in animals, veins in leaves transport fluid and minerals to the leaf which is essential for daily function.
6. **ovary** - the part of the pistil where the seeds are formed
7. **petal** - colorful parts of a flower used to attract insects for pollination
8. **petiole** - a stalk that joins the leaf to the stem of a plant
9. **photosynthesis** - the process by which green plant cells make food from sunlight, water and carbon dioxide
10. **pistil** - the long central part of a flower that extends from the ovary, where the pollen is transferred
11. **pollen** - the very fine powder that is produced by a plant and is carried to other plants of the same kind so the plants can produce seeds
12. **pollination** - the transfer of pollen from the stamen to the stigma of a flowering plant as part of reproduction
13. **reproduction** - the process that creates new animals or plants
14. **seed** - the part of a flowering plant that can develop into a new plant
15. **seed coat** - the outer protective covering of the seed
16. **sepal** - the petal like part of a flower that usually protects the flower bud
17. **simple leaf** - a leaf that is not divided into parts, single blade attached by the petiole
18. **stamen** - the part of the flower that holds the pollen for reproduction