

## Vocabulary List - Botany Lab

6<sup>th</sup> - 8<sup>th</sup> Grade

1. **anther** - the part of the stamen where pollen collects
2. **cotyledon** - the seed leaf, which provides food for a young plant while it is sprouting
3. **dicot** - dicotyledon, a plant classification that refers to seeds that having two cotyledons
4. **embryo** - the beginning of a plant, usually contained in the seed
5. **filament** - the stalk of the stamen, holding up the anther
6. **monocot** - monocotyledon, a plant classification that refers to seeds that have a single cotyledon
7. **ovary** - the part of the pistil where the seeds are formed
8. **petal** - colorful parts of a flower used to attract insects for pollination
9. **petiole** - a stalk that joins the leaf to the stem of a plant
10. **photosynthesis** - the process by which green plant cells make food from sunlight, water and carbon dioxide
11. **pistil** - the long central part of a flower that extends from the ovary, where the pollen is transferred
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. **stigma** - the part of the flower that receives the pollen from insects or wind
18. **style** - the narrow part of the pistil between the stigma and the ovary.