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qualitative measurement of the changes in carbon dioxide concentration associated with respiration and photosynthesis in the freshwater plant Elodea. Bromthymol blue is used as an indicator for the presence of CO₂ in solution. When CO₂ dissolves in water, carbonic acid is formed.

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(eukaryotic cells that have a cell wall) B. Observe the following and describe what you see: 1. Elodea - Mount using water and a cover slip. 2. Onion skin - Mount using a drop of iodine stain and a cover slip. One lab partner should prepare one type of plant cell and the other lab partner, the other type. Microscopy Biology Lab Exercise & Report A herbaceous example of a family that is based on similarity of flower parts would be Asteraceae, the aster family, of which marigolds and zinnias are members. An example of a woody. plant family would be Aceraceae to which maples belong.

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LAB 1 - PLANT IDENTIFICATION

Objectives: Introduction

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