

Structure and Function

LS 1.2 Hierarchical Organization

Explore!!!

- ◆ Go outside and observe a living plant. Get a cutting of at least two plants. Be sure to include the leaves, flowers and the stem (different components). If possible include roots as well.
- ◆ Observe and note three to five different phenomena (description of the structure) about different components/parts that make up the entire plant. Consider its possible functions.

Share Out

- What are different parts/components that make up a plant? Include finding from the microscope lab.

Question

- Develop a question to investigate the *function of cells* in a plant and *how they are organized* to support the structure of a plant (organism).

Share Out Your Questions

Investigation

- Plan and carry out an investigation to gather evidence for how different components (cells, tissue, organ, system) make up a plant structure and how they function together to support the entire plant (organism).

Model Construction

- Construct a drawing/illustration supported by evidence to explain the hierarchical organization that provide specific functions within a plant (organism).

Share Out

- Share out your group models.

Individual Assessment

- Develop a model/illustration (with evidence) that explains how the organized systems function together to support a plant.

