

Observe various plants, identify their needs and characteristics, and describe their life cycles.

- Identify needs of plants (water, sunlight, air).
- Describe the life cycle of flowering plants, including stages (seed, seedling, plant, flower, fruit, seed).
- Identify characteristics that are passed on from parents to young.

Describe and identify major landforms and bodies of water on the Earth's surface.

- Identify major landforms and bodies of water from photos and on maps (e.g. mountains, valleys, plains, Great Lakes, rivers, Atlantic and Pacific Ocean).
- Describe how rain water collects on the surface, is absorbed into the ground or flows into bodies of water.

Identify water sources, uses and properties.

- Identify household uses of water.
- Identify different sources of water and recognize water as an important natural resource.
- Describe the properties of water as a liquid (visible, flowing, shape of container) and recognize rain, dew, and fog as water in its liquid state. Describe the properties of water as a solid (hard, visible, frozen, cold) and recognize ice, snow, and hail as water in its solid state.

Describe, measure and compare physical properties of objects and substances

- Understand that objects and substances have properties that describe them such as color, size, shape, texture, hardness, liquid or solid, sinking or floating.
- Identify objects and substances by their properties.
- Recognize that some objects are composed of a single substance (water, sugar, salt) and others are composed of more than one substance (salt and pepper, mixed dry beans).
- Measure the length of objects using rulers (centimeters) and meter sticks (meters).
- Measure the volume of objects using common measuring tools (graduated measuring cups, measuring spoons, graduated cylinders and beakers).
- Compare objects using balances.