

5th Grade Science

A. Cells, What Living Things Are Made Of

1. Looking at Cells

- History of the cell
- Unicellular organisms
- Multicellular organisms
- Investigating pond and creek water

2. Cell Structure

- Compare plant and animal cells

3. Cell Processes

- Energy in cells
- Osmosis and diffusion of water through a membrane

B. Structures of Life

1. Tissues

- Animal and Plant Tissue

2. Organs

- Tissue working together
- Plant and Animal Organs

3. Organ System

- Organs working together
- Plant and Animal Organs

C. Earth Atmosphere and Weather

1. Properties of Air

- Sound
- Air Pressure
- Measuring

2. Earth's Atmosphere

- Layers of Earth's Atmosphere

3. Sun and Weather

- Effects of weather
- Sun's affect on Earth

4. Weather Forecasting

- Cloud Types
- Predicting
- Fronts
- Severe Weather

D. Earth's Changing Surface

1. How changes affect Earth's
 - Natural resources
 - Mountains, Volcanoes
2. Changes over Time
 - Investigating mountain formation

E. Stars

- Life and Death of a Star
- Constellations