

# Biology

How does life survive?

Systems interact to sustain life. (Interdependence)

## Structures and Processes

How do structures within living organisms contribute to their function and the processes they direct?

Function is a reflection of structure at every level of life.

- ✓ Characteristics of Life
- ✓ Interdependence of Organisms
- ✓ Taxonomy and Classification
- ✓ Evolution
- ✓ Biochemistry in Cells
- ✓ Cells and Life
- ✓ Energy Conversions in Cells
- ✓ The Cell Cycle
- ✓ Protein Production in Cells
- ✓ Homeostasis in Cells
- ✓ Interactions of Plant Systems
- ✓ Interactions of Animal Systems

## Interactions, Energy, Relationships in Ecosystems

How does a system of living and nonliving things operate to meet the needs of the organisms in an ecosystem?

The needs of organisms are met by the interacting parts of an ecosystem.

- ✓ Characteristics of Life
- ✓ Interdependence of Organisms
- ✓ Taxonomy and Classification
- ✓ Heredity
- ✓ Energy Conversions in Cells
- ✓ Interactions of Plant Systems
- ✓ Interactions of Animal Systems

## Heredity

How do living organisms pass traits for one generation to the next?

The characteristics of organisms are passed from generation to generation.

- ✓ Characteristics of Life
- ✓ Evolution
- ✓ Heredity
- ✓ Biochemistry in Cells
- ✓ Cells and Life
- ✓ The Cell Cycle
- ✓ Protein Production in Cells
- ✓ Interactions of Plant Systems
- ✓ Interactions of Animal Systems

## Evolution

How do organisms change over time in response to changes in the environment?

Changes in the environment affect the characteristics of organisms.

- ✓ Characteristics of Life
- ✓ Interdependence of Organisms
- ✓ Taxonomy and Classification
- ✓ Evolution
- ✓ Heredity
- ✓ Cells and Life
- ✓ Interactions of Plant Systems
- ✓ Interactions of Animal Systems