

# Adaptations and Natural Selection

## How Organisms Adapt to Change (p. 110)

Living organisms change as the abiotic and biotic components in their environment change

- The process that makes change possible in living things is called natural selection

### Define Natural Selection

In natural selection, members of a species having certain characteristics that give them an advantage over other members of that species will be in better condition to mate

- o This means these individuals pass on their favorable characteristics to their offspring

Describe how natural selection explains the presence of 13 different finch species on the Galapagos islands:

### Define Adaptive Radiation

## Adaptations and Biomes

Certain types of plants and animals are characteristic of certain biomes because they are better adapted for survival in the environmental conditions in those locations

### Adaptations

There are three types of adaptations: structural, physiological and behavioral

**Define structural adaptation**

Example 1

Example 2

**Define Physiological adaptations**

Example 1

Example 2

**Define Behavioral adaptations**

These adaptations may include how the organisms feeds, mates, cares for its young, migrates, hibernates or burrows to escape predators

Example

