

# 13.2 Biotic and Abiotic Factors

## KEY CONCEPT

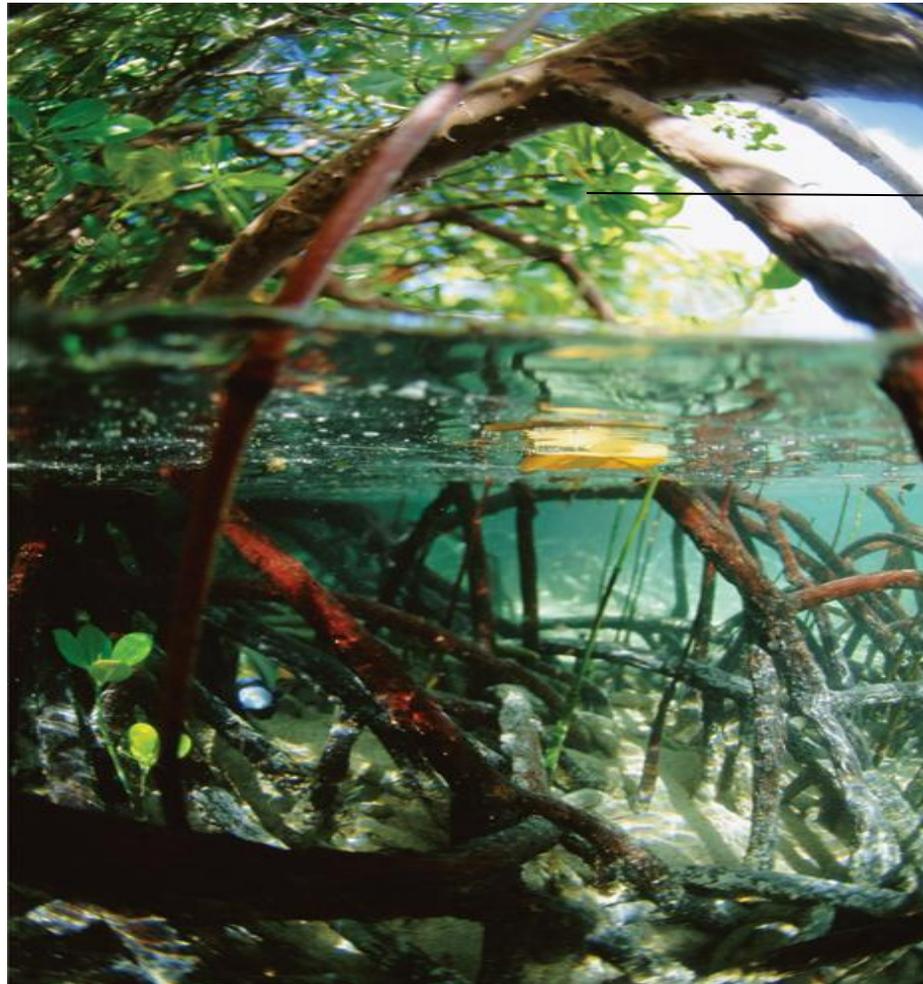
Every ecosystem includes both living and nonliving factors.



# 13.2 Biotic and Abiotic Factors

▶ **An ecosystem includes both biotic and abiotic factors.**

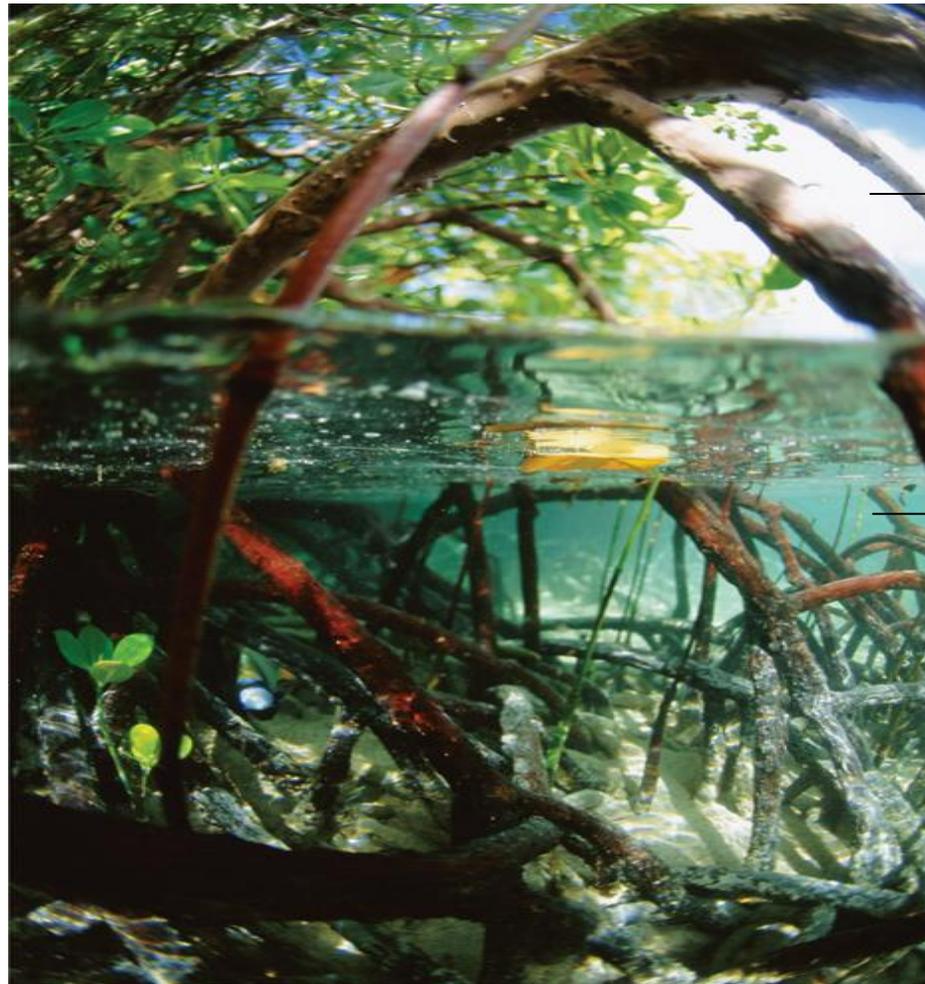
- Biotic factors are living things.
  - plants
  - animals
  - fungi
  - bacteria



plants

# 13.2 Biotic and Abiotic Factors

- Abiotic factors are nonliving things.
  - moisture
  - temperature
  - wind
  - sunlight
  - soil



— sunlight

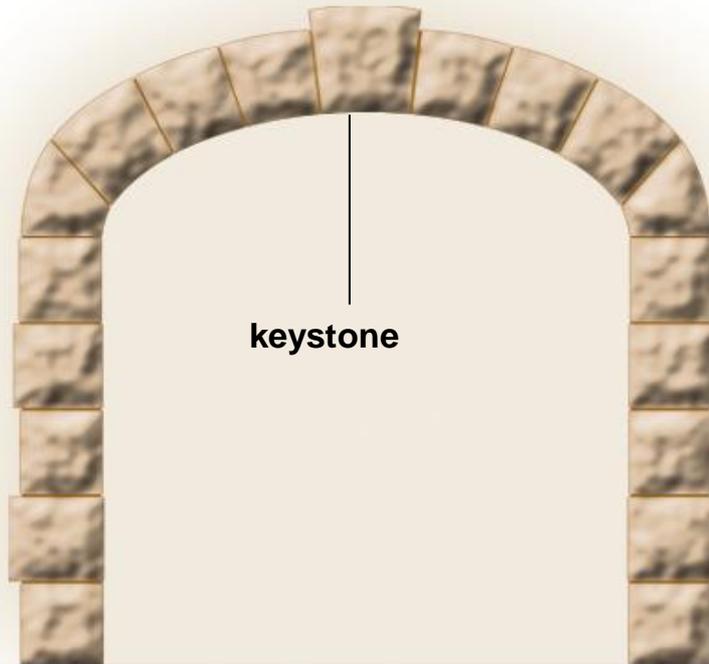
— moisture

## 13.2 Biotic and Abiotic Factors

- ▶ **Changing one factor in an ecosystem can affect many other factors.**
  - Biodiversity is the assortment, or variety, of living things in an ecosystem.
  - Rain forests have more biodiversity than other locations in the world, but are threatened by human activities.

## 13.2 Biotic and Abiotic Factors

- A keystone species is a species that has an unusually large effect on its ecosystem.



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- Keystone species form and maintain a complex web of life.

