## PN 10.1 Early ideas about Evolution

#### Linnaeus:

Developed a
classification
system for all types
of organisms
known at the time
based upon their
physical
similarities.

### Buffon:

onon:
Proposed that
species shared
ancestors and
suggested that
Earth is much
older than 6000
uears

### Darwin:

Proposed that all organisms descended from a common ancestor, and that more-complex forms of life arose from less-complex forms

### Lamarck:

Proposed that all organisms evolved toward perfection and complexity and that structures became larger or smaller with use or disuse.

# Theories of Biological Change

# Early Ideas About Evolution

Theories of Geologic Change

# Catastrophism:

Natural disasters
such as floods and
volcanic eruptions
have shaped
landforms and
caused species to
become extinct.

## Gradualism:

Changes in landforms resulted from slow changes over a long period of time.

### Uniformitarianism:

The geologic processes that shape Earth are uniform through time.