

## Concept 1.2

Biology explores life in its diverse forms.

### Diversity of life

**Species** - a distinct form of life; biologists have identified more than 1.5 million species.

### Classifying Life

**Classification** - organizing similar species into larger groups.

**Domains** - the broadest category of classification.

### The Three Domains of Life

**Archaea** - very small organisms; microscopic, unicellular, prokaryotic.

**Bacteria** - very small organisms; microscopic, unicellular, prokaryotic.

**Eukarya** - unicellular and multicellular.  
Eukaryotic cells have nuclei.

The domain Eukarya is broken into subgroups called **Kingdoms**.

### **Kingdoms of Eukarya**

**Protista** -

**Fungi** -

**Plants** -

**Animals** -

**Eukaryotic cells** -contain nuclei that separate DNA from the rest of the cell.

**Multicellular** - organisms are made of many cells.