

## Seven Major Themes

- **Evolution**
  - change in species over time
- **Reproduction**
  - organisms come from preexisting organisms
  - transfer of genetic material (DNA) to offspring
- **Stability and Homeostasis**
  - Stable level of internal conditions
- **Structure & Function**
  - relationship between structure and function exists at all levels of biological organization
- **Energy Relationships**
  - all organisms use energy
- **Ecology**
  - interactions of organisms with each other and the environment
- **Science & Society**
  - Positive and Negative effects on our lives.
  - We make moral choices (value judgements).
    - Bioethics—Biology and Ethics
  - Science affects Society
  - Society affects Science