

INTRODUCTION TO BIOLOGY

Ch. 1.1

Characteristics of Life

What is Biology?

- Biology is the science of life.
- Biology studies all living things.
- A living thing is called an organism.

Biology is Varied

- Bio can study:
 - Microscopic cells
 - Individual organisms
 - How organisms interact in groups or even globally
 - The history of all organisms
 - And more!

What Do Biologists Do?

- Study the diversity of life
- Research diseases & cures
- Develop technologies
- Improve agriculture
- Preserve the environment
- And more!

Characteristics of Life

- ALL organisms share these main 8 characteristics:
 1. Cells
 2. Organization
 3. Energy Use
 4. Homeostasis
 5. Growth & Development
 6. Reproduction
 7. Response to Stimuli
 8. Adaptations Evolve Over Time