

Intro to Biology

Chapter One

What is biology?

- Biology is the science of _____ ; bio - life, -logy, study of
- All living things _____ the characteristics of life

1. Cells

- All living things are made of _____ or more cells
- Can be unicellular – one cell, or _____ – multiple cells
- *Euglena gracilis*

2. Organization

- Level of organization begins with _____ and molecules
- Varies with _____
- STRUCTURE always dictates _____ in living things

3. Growth and Development

- Growth is an increase in _____
- Development results in different _____ from natural changes that take place

4. Reproduction

- Reproduce and pass _____ traits from one generation to the next

5. Response to Stimuli

- A response occurs when an organism reacts to a _____
- Can be external or _____

6. Requires Energy

- Organisms must have _____ to survive
- Can take in _____ or can make their own food, depending on the organism

7. Homeostasis

- Homeostasis = _____
- Keeping of _____ conditions stable

8. Adaptation

- Inherited changes that occur over time that help a species _____