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WHAT IS LIFE?

What characteristics do all living things share?

- living things = ORGANISMS
- share 6 characteristics

1. Cellular Organization

- made of cells (small, microscopic)
- single celled (unicellular)
or multicelled (multicellular)
- Cells → tissues → organs → systems

2. Chemicals of Life

- made of similar chemicals
- ex. H₂O, carbohydrates, protein,
lipids (fats), nucleic acids (DNA)

3. Energy Use

- use energy to grow, live, repair, etc.

4. Response to Surroundings

- "move"
- stimulus → response

5. Growth and Development

- grow larger or changing (life cycles)

6. Reproduction

- more cells or more "selves"

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