

8th grade Week 36 Notes, Day 1



BARCROFT MEDIA

Characteristics of Organisms **C-notes**

How can we tell if something is a living thing (organism) or not?

If something is a living thing it MUST DO (or have) the following things.....

Characteristics of Organisms **C-notes**

- **1-Reproduce:** All organisms make “copies” of themselves.
- **2-Grow/Develop:** All organisms are born, grow or develop over time.
 - Grow: get larger in size
 - Develop: change to become more mature or in some cases change body completely. Example: tadpole to frog

Characteristics of Organisms **C-notes**

- **3-Respond to Stimuli:** All organisms respond to stimuli.
- **Stimulus:** anything that causes a response in a living thing.
Example: If it is hot, you sweat
- **4-Organized:** All organisms have “special” part that do a job. Examples: eye, tail, hands...

****5-ALL ORGANISMS ARE MADE UP OF CELLS (MORE DETAILS LATER)**

Living thing: Needs

- **Energy- Most living things get their energy from eating food, some like plants, can make their own food**

Living thing: Needs

- **Materials- living things need certain materials to survive like: water, oxygen, carbon dioxide, minerals**

Living thing: Needs

- **Living Space-**
living things
need enough
space to get
energy, materials
and to grow

8th grade Anchor Questions Week 36 (May 26-29)

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1. Explain how you would know if something is a living thing or not.
2. What are the needs of all living things? Include examples for each one.
3. Explain the key concepts of the Cell Theory.
4. Explain in detail what we get from food when we eat.
5. What are cells made of? What macromolecules make up cells?
6. What are the levels of organization for multicellular organisms? Give examples for each level.

Vocabulary:			
Macromolecule	Protein	Carbohydrate	Organism
Food	Cell	Plant	Animal