

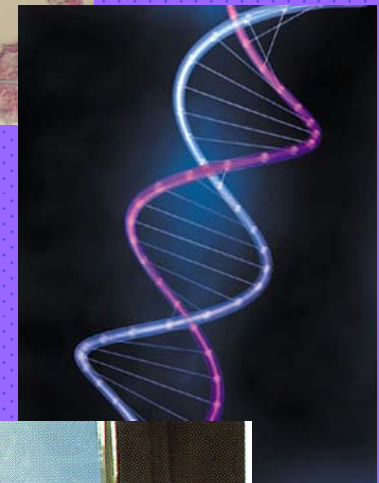
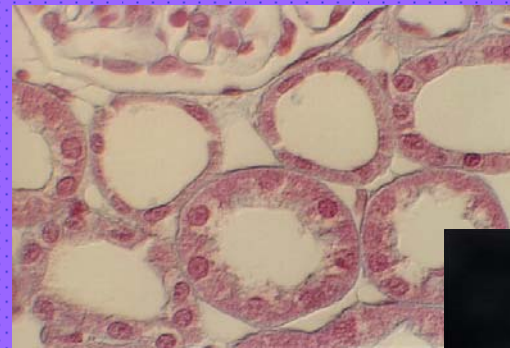


WHAT IS LIFE?

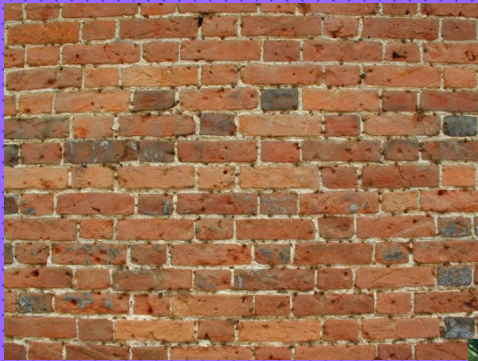
****Follow along with your Cornell notes. Add in wherever needed.****

SIX Characteristics of Life

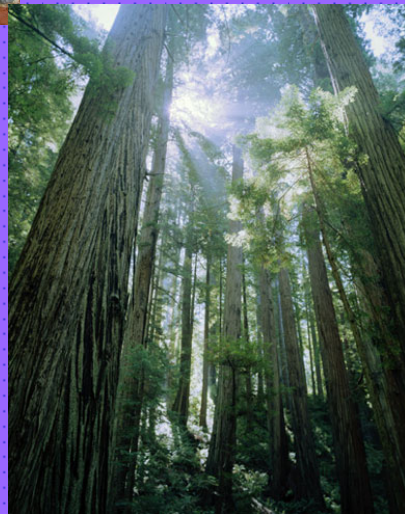
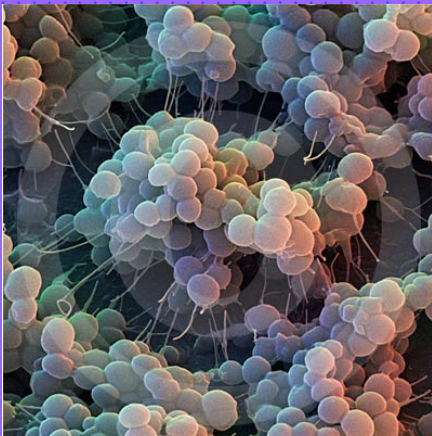
- Made up of cells
- Made up of similar chemicals
- Uses energy
- Grows and develops
- Responds to the world around them
- Reproduces



All living things are made of cells



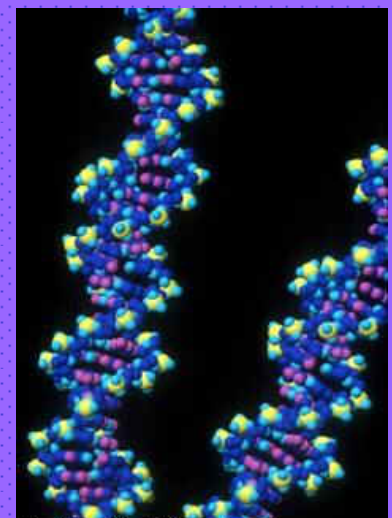
- What is a cell?



- What are the two types of cells?

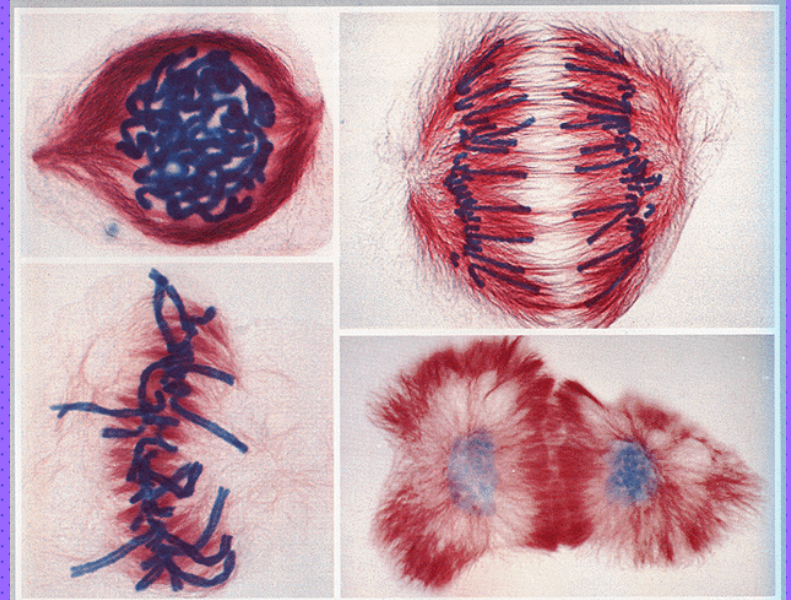
All living things contain similar chemicals

- Water - Most abundant chemical in cells
- Carbohydrates - Energy
- Proteins - Building material of cells
- Lipids (fats) - Building material of cells
- Nucleic Acids - DNA and RNA



All living things use energy.

- An organisms cells are always hard at work.



All living things grow and develop.



- What is the difference between growth and development?

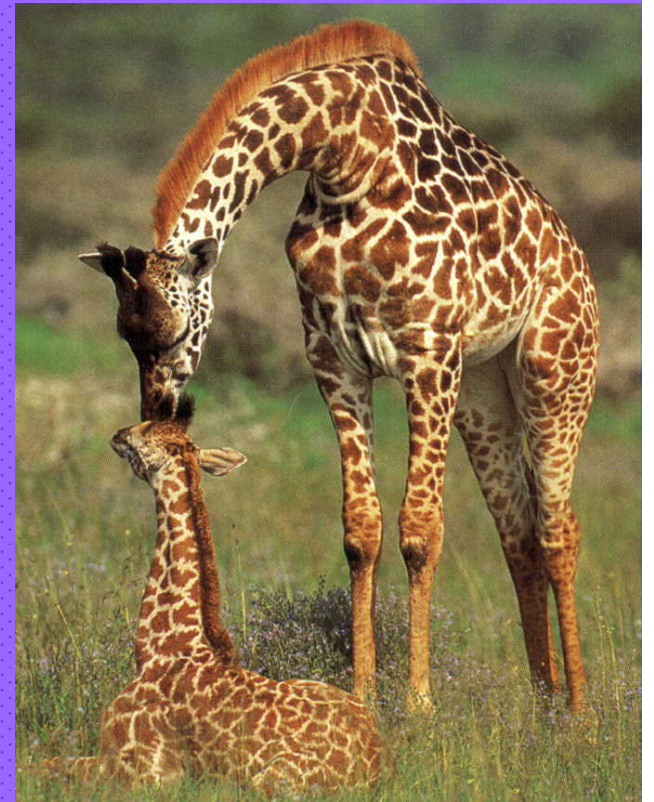
All living things respond to their surroundings.

1. Using the definitions from your notes identify the response and stimulus in this picture.
2. Name two other responses you have seen in living things besides humans.

Write your answers on the bottom of your notes.

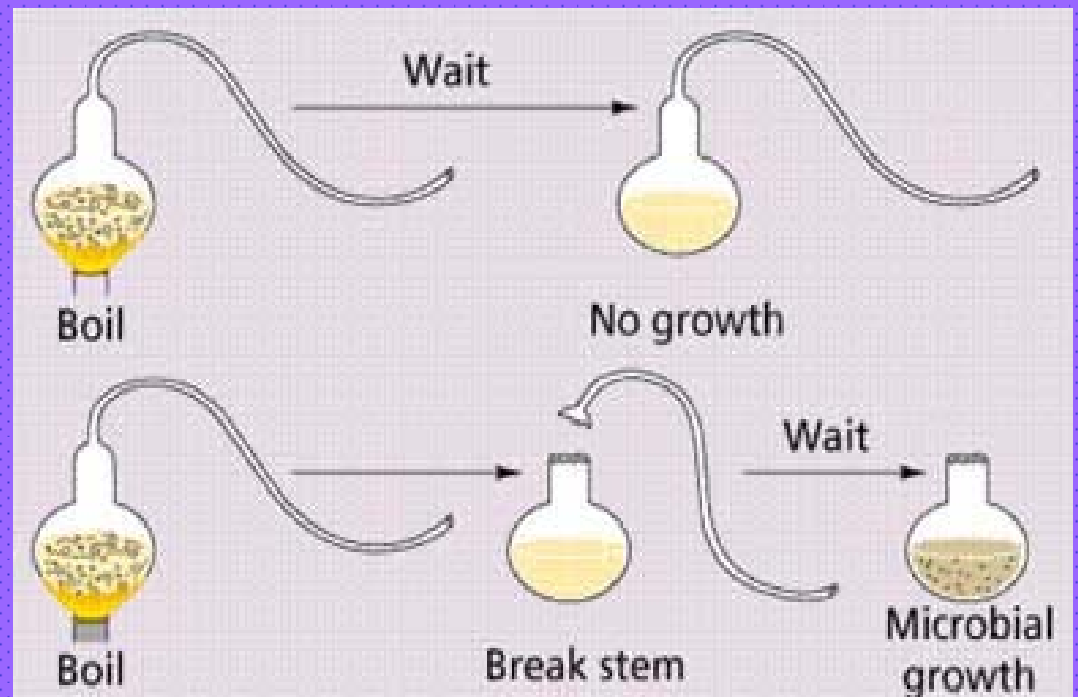


All living things reproduce.



Spontaneous Generation

- What was spontaneous generation?
- Redi's Experiment
- Pasteur's Experiment



The Needs of Living Things

- Energy
 - Autotroph vs. Heterotroph
- Water
- Living Space
- Stable Internal Conditions
 - Homeostasis





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