7th grade Week 30 Notes Day 1

Cell: What is it?

C-notes

 The smallest unit that can perform all life processes, that is:

Reproduce

Grow/develop

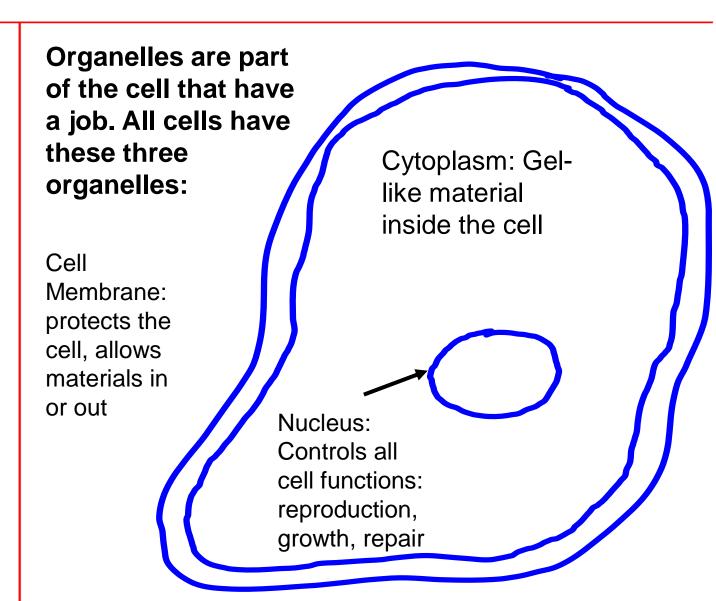
Respond to stimuli

Organized

- Have the same needs:
- 1. Energy
- 2. Materials (water, oxygen, minerals)
- 3. Living Space

C-notes

Basic Cell Organelles



Basic Cell Organelles

- •Many cells don't have a specific shape...
- •All cells have special parts that do a job, these are called CELL ORGANELLES
- organelles means ("little organs")

C-notes

Why do Cells divide?

In unicellular organisms: They divide to REPRODUCE In multicellular organisms.... **REMEMBER:** ALL CELLS WORK AS A TEAM Cells get damaged Cells get "old" and "die" Cells have to BECOME specialized (that is only early in life)

C-notes

Why do Cells divide?

These are the three reasons cells divide in a multicellular organism: GROWTH- to increase in size of the multicellular organism REPAIR- replaces damaged, dead cells or tissue **DEVELOPMENT- cells** become specialized and change the appearance of an organism in it's lifetime Caterpillar to butterfly