

cells

• Cell Theory:

1. The cell is the most basic unit of life.
2. All organisms are made of cells.
3. all cells come from pre-existing cells

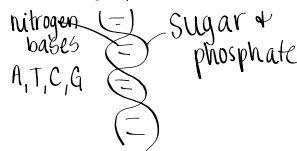
• Cell Types

1. prokaryotic: don't have a nucleus + organelles.
2. eukaryotic: have a nucleus + organelles

• DNA (deoxyribonucleic acid)

is found in cells

- stores genetic information
- shaped like a double helix



Responds to the environment

• organisms can respond to a Stimuli

ex:



pupil dilates



pupil shrinks

predator-prey

phototropism

Venus fly trap

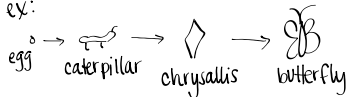
Growth + Development

• growth: increasing in size + mass



• Development: transformation in an organism as it grows.

ex:



puberty
brain

Homeostasis

• definition: the maintenance of constant internal conditions in an organism.

ex: body temp.
blood sugar

