

Cornell Notes: 2/3/16
2/2/16 TH

I. Cell

- a. All Living thing are made up of cells
- b. Cells CANNOT be seen with human eye
- c. Smallest unit that performs processes for life to exist

II Cell Theory

~~Robert Hooke~~

~~Anton van Leeuwenhoek~~

- a. ~~1~~ All organisms Made of cells

(organisms = Living things)

- b. "Cells" are the basic unit of life

or all Living things

- c. ~~1~~ All cells come from other cells.

2/2 7th

III Parts of All Cells

a. Cell Membrane

1. Protective Layer that covers a cell
2. Cell Membrane acts as a Barrier to separate a cell's contents from the environment.
3. Cell Membrane Controls all materials that go into a cell and out of a cell

b. Cytoplasm

1. the Fluid inside a Cell Membrane
2. a Jelly-like Fluid
3. made of Mostly Water and Salt
4. Contains all organelles and Cell parts

2/2
7th

IV Organelles

- a. Carry out life processes in cells
- b. Structures that perform specific functions inside a cell
- c. Organelles are surrounded by a membrane
- d. There are different types of organelles
- e. Organelles are in the cytoplasm of cells

V DNA-

(Deoxyribonucleic Acid)

- a. In all cells
- b. Genetic Message or Material that carries information to make New cells & New Organisms
- c. DNA is passed from Parent Cells to New Cells
- d. DNA controls the Activities of a Cell

II. Nucleus

a. a type of Organelle
"Nucleus"

b. Some cells have
= DNA in the
Nucleus -

Bacteria - No Nucleus; DNA
in cytoplasm

Human - DNA in Nucleus

c. In Eukaryotic
Cells the nucleus
has an influence on
processes such as
growth, Metabolism,
and Reproduction