

Guided Notes: Cells and the Cell Theory

- Cells are the most basic _____ of living things.
- Cells are divided into two main groups: _____ and _____ cells.
- Which type of cell of cell has a nucleus?

Explore the prokaryotic cell interactive.

Explore the eukaryotic plant cell interactive and fill in the parts of a plant cell on the “Cells Alive! Plant cell worksheet”.

Explore the eukaryotic animal cell interactive and fill in the parts of an animal cell on the “Cells Alive! Animal cell worksheet”.

- Remember that the smaller parts that make up a cell are called “_____”

Cell Organelles and Their Functions:

Nucleus:

DNA:

Cytosol:

Cytoplasm:

Centrosome:

Golgi apparatus:

Lysosome:

Peroxisome:

Cell membrane:

Mitochondria:

Cell wall:

Chloroplasts:

Smooth endoplasmic reticulum:

Rough endoplasmic reticulum:

Ribosome:

Nucleolus:

Cytoskeleton:

Vacuole:

- What 3 things do plant cells have, that animal cells do not?
- Advancements in _____ technology allowed scientists to view cells better, giving more and more information.
- This new _____ gave _____ for the cell theory.
- The cell theory has 3 parts:

1.

2.

3.

Timeline of the cell theory:

Living or non-living:

Living	Non-living