

# Cell Structure Notes

## Discovery of Cells:

1. Who discovered cells? Why were they named cells?
2. Who developed the microscope? Why was that invention beneficial?

## Cell Theory:

Who developed the theory?

3 parts:

1)

2)

3)

## Cell Structure:

Cell =

Organelle =

Why do cells need to be small?

## Types of Cells:

Prokaryotes	Eukaryotes
Structure:	Structure:
Examples:	Example:

Plant Cell	Animal Cell

# PROKARYOTIC CELLS

Antibiotic Resistance

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# EUKARYOTIC CELLS

Organelle	Function	Location: Plant or Animal Cell
Nucleus	Chromosomes = Nuclear envelope =	Both
Nucleolus		Both
Cytoplasm		Both
Cytoskeleton		Both

Endoplasmic reticulum	Types: Rough and Smooth	Both
Ribosome		Both
Golgi apparatus	Vesicles =	Both
Vacuole		Plant has large, Animal has small
Mitochondria		Both
Lysosome		Both
Peroxisome		

Centriole		Animal
Plasma (Cell) membrane		Both
Cell wall		Plant
Chloroplast (Plastid)		Plant

### Endomembrane System

1. What is the endomembrane system?
  
2. What organelles make up the endomembrane system?