

## Unit: Cell Theory and Structure (Ch. 7)

### "I can..."

- \_\_\_\_\_ *state* the three ideas of the cell theory.
- \_\_\_\_\_ *discuss* historical discoveries leading to the discovery of the cell and the cell theory.
- \_\_\_\_\_ *identify* similarities and differences between cells and viruses.
- \_\_\_\_\_ *construct* a graphic organizer comparing and contrasting prokaryotic and eukaryotic cells.
- \_\_\_\_\_ *identify* the cell organelles and state their functions.
- \_\_\_\_\_ *construct* a cell model (i.e., form and function model, cell analogy, etc.).

### Essential Vocabulary/Concepts:

cell	mitochondrion
cell (plasma) membrane	nuclear envelope (nuclear membrane)
cell wall	nucleus
chloroplast	nucleolus
chromatin	organelle
chromosome	prokaryote
cytoplasm	ribosome
cytoskeleton	rough endoplasmic reticulum
eukaryote	smooth endoplasmic reticulum
Golgi apparatus (Golgi body)	vacuole
lysosome	virus
microscope	

### Key Scientists:

Hooke  
Leeuwenhoek  
Schleiden  
Schwann  
Virchow

