

Cell Theory Study Guide

Name:

Date:

Block:

Create a study guide that includes the major vocabulary and concepts you learn in this unit. Include **definitions, examples, and/or relevant diagrams**. Your study guide can be a rewriting of your notes, a series of questions/answers, a brochure, a mind map showing the connections between concepts, or any other way you can think of. You can create your study guide on a regular sized piece of paper, a large piece of poster paper, or cue cards

Cell Theory I: Living Things

Vocabulary	Concepts
<input type="checkbox"/> Unicellular <input type="checkbox"/> Multicellular <input type="checkbox"/> Stimulus	<input type="checkbox"/> What are the 7 characteristics of living things? <input type="checkbox"/> What are the parts and functions of a microscope? <input type="checkbox"/> How do we get the total magnification on a microscope? <input type="checkbox"/> What happens to the field of view when the magnification on a microscope changes?

Cell Theory II: Microscopes and Biological Diagram

Vocabulary	Concepts
<input type="checkbox"/> Magnification <input type="checkbox"/> Field of view <input type="checkbox"/> Biological diagram	<input type="checkbox"/> What are the key safety rules when handling a microscope?

Cell Theory III: Organelles

Vocabulary	Concepts
<input type="checkbox"/> Organelles <input type="checkbox"/> Cytoplasm <input type="checkbox"/> Cell membrane <input type="checkbox"/> Nucleus <input type="checkbox"/> Mitochondria <input type="checkbox"/> Cellular respiration <input type="checkbox"/> Ribosomes <input type="checkbox"/> Endoplasmic reticulum <input type="checkbox"/> Golgi body <input type="checkbox"/> Vesicles <input type="checkbox"/> Proteins <input type="checkbox"/> Vacuoles <input type="checkbox"/> Lysosomes <input type="checkbox"/> Cell wall <input type="checkbox"/> Chloroplasts	<input type="checkbox"/> What are the 3 main jobs of a cell? <input type="checkbox"/> What are the role and functions of the organelles in an animal cell? <input type="checkbox"/> What are the role and functions of the organelles in a plant cell? <input type="checkbox"/> What do organelles look like in the cell?

Cell Theory IV: Cell Theory and Diffusion vs. Osmosis

Vocabulary	Concepts
<ul style="list-style-type: none"><input type="checkbox"/> Prokaryotic cells<input type="checkbox"/> Eukaryotic cells<input type="checkbox"/> Bacteria<input type="checkbox"/> Viruses<input type="checkbox"/> Diffusion<input type="checkbox"/> Osmosis<input type="checkbox"/> Concentration	<ul style="list-style-type: none"><input type="checkbox"/> What are the 3 points of the cell theory?<input type="checkbox"/> What is the difference between a prokaryotic cell and eukaryotic cell?<input type="checkbox"/> What is the difference between bacteria and viruses?<input type="checkbox"/> How do particles move within and in and out of the cell?<input type="checkbox"/> What are the 3 scenarios that can happen to a cell when water particles move through a membrane?