

Chapter 7-1, 7-2 Study Guide

Vocabulary Terms

Compound Light Microscope

Magnification

Resolution

Cell Theory

Cell Membrane

Cytoplasm

Cytoskeleton

Ribosome

Prokaryote

Flagella

Cilia

Eukaryote

Nucleus

RER

SER

Golgi Apparatus

Lysosome

Mitochondria

Cell Wall

Chloroplast

Central Vacuole

Possible Short Answer Questions

Understand the contributions of the following scientists to the discovery of cells and development of the Cell Theory: Hooke, Schleiden, Schwann, Virchow.

List the parts of the cell theory.

Why must cells be small?

What are the common features of cells?

What are the characteristics of bacteria?

Describe the molecular structure of cell membranes.

What are the four membrane protein types?

What are the five steps to packaging and distributing proteins in a cell?

How are animal cells different from plant cells?

Identify and label the major organelles in plant and animal cells.

Know how to convert metric units.