Cell Structure Study Guide: Part 1

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Big Picture: Cells are the smallest units of life, which is why biologists study cell structure. This guide will give you all of the components that make up a cell, including the cell membrane, nucleus, nucleolus, nuclear membrane, cytoplasm, Golgi complex, ribosomes, endoplasmic reticulum, mitochondria, vacuoles, and vesicles.

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Lesson Objectives

- Understand the overall cell structure and the structure of each cell organelle that constitutes the cell.
- Learn about the functions of each organelle in a cell.

Introduction

Did you know you are about five hundred million cells (or one big!) bundled together? Yes, you are a multicellular organism! Wait, what? Yes, it's true! Only a few cells that make up the human body. Cells are often called the building blocks of life, and they are the smallest units of life. Cells are so small that they are invisible to the naked eye! Wait, what? Yes, it's true!

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