

Cell Structure

Name:

Date:

INQUIRY

You are made of approximately 37 trillion cells. What's inside each one?

Discuss with your partner. Write your initial ideas below:

Key Vocabulary

Term	Definition
Cell	The basic unit of life.
Nucleus	Contains DNA. Controls the cell.
Cytoplasm	Jelly-like substance where reactions happen.
Cell membrane	Controls what enters and leaves the cell.

Part A — Organelles

1. Name the function of: (a) nucleus (b) cell membrane (c) cytoplasm (d) mitochondria (e) ribosome. [5 marks]

Part B — Drawing

2. Draw and label a typical animal cell. Include at least 5 organelles. [5 marks]

Part C — Application

3. Korean scientists at KAIST discovered a new protein in cell membranes. Why is membrane research important for developing new medicines? [3 marks]