

# Cells — Full Revision

Name:

Date:

**INQUIRY**

**Cells are the building blocks of all life. Master the structures, differences, specialisations, and processes.**

Discuss with your partner. Write your initial ideas below:

## Key Vocabulary

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Term	Definition
Cell	Basic unit of life.
Specialised	Adapted for a specific function.
Diffusion	High to low concentration.
Magnification	Eyepiece x objective.

## Full Revision (30 marks)

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1. Name the function of: nucleus, mitochondria, cell membrane, ribosome. [4 marks]
  
  
  
  
  
  
  
  
  
  
2. Name 3 structures in plant cells but NOT animal cells. [3 marks]
  
  
  
  
  
  
  
  
  
  
3. Explain how a root hair cell is adapted for absorbing water. [2 marks]

**4.** Eyepiece x10, objective x40. Total magnification? [1 marks]

Show your working:

**5.** Explain diffusion using the kimchi example. [3 marks]