



YEAR 7

Cells and Organisation

Answer in full sentences where the question asks you to explain. In Science an explanation needs a reason, not just a fact.

Name: _____

Date: _____

Score: _____

Section A • Parts of a cell

One or two words is enough here.

- 1 Name the part of a cell that controls its activities.

- 2 Name the jelly-like substance where most chemical reactions happen.

- 3 Name the thin layer that controls what enters and leaves a cell.

- 4 Name the part of a plant cell that gives it a fixed shape.

- 5 Name the green part of a plant cell where photosynthesis happens.

- 6 Name the part of a plant cell that stores cell sap.

Section B • Comparing and adapting cells

Link the feature to the job the cell does.

- 1 Give **three** parts found in a plant cell but not in an animal cell.

- 2 Give **three** parts found in both plant and animal cells.

3 Why do root hair cells have no chloroplasts?

4 A red blood cell has no nucleus. Explain how this helps it do its job.

5 A nerve cell is very long. Explain how this helps it do its job.

6 A sperm cell has a tail. Explain how this helps it do its job.

Section C • Levels of organisation

Cell, tissue, organ, organ system, organism.

1 Put these in order, smallest first: organ, cell, organism, tissue, organ system.

2 Define the word **tissue**.

3 Define the word **organ**.

4 Name the organ system that moves blood around the body.

5 Name the organ system that takes oxygen into the body.

6 Name **two** organs in the digestive system.