Name _____ Date _____ Score _____

Free sample

Cells: Building Blocks of Life

Six questions to try. Then check your answers on page 2.

Remember

Nucleus controls the cell · **membrane** controls what goes in and out · plant cells also have a **cell wall**, **chloroplasts** and a **large vacuole**. Magnification = eyepiece × objective.

1 Which organelle releases energy from food?

2 Name **two** parts that only plant cells have.

3 Eyepiece 10×, objective 40×. Total magnification?

4 Order: **organ, cell, tissue**.

5 What does the cell membrane do?

6 Why do onion bulb cells have no chloroplasts?

Name _____ Date _____ Score _____

Answers

1. **mitochondria** — Respiration happens in the mitochondria.
2. **any two: cell wall, chloroplasts, large vacuole** — Animal cells have none of these.
3. **400×** — 10 × 40 = 400.
4. **cell → tissue → organ** — Similar cells make a tissue; tissues make an organ.
5. **controls what enters and leaves the cell** — It is a thin, flexible barrier.
6. **The bulb grows underground with no light.** — Chloroplasts are found where light reaches.

In the full pack

17 questions in 5 parts (cell parts, plant and animal cells, microscopes and magnification, organisation and specialised cells, and a CER task), a notes page, a full answer key, a 14-slide teaching deck with an onion-cell practical, and online practice.

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