

Name: _____ Date: _____

Super Small Secrets: Cell Structure Safari for 5th Grade

Identify the basic parts of plant and animal cells to build a strong foundation for future biology studies.

1. Which part of the cell acts like a 'security guard' by deciding what can come in and what must stay out?

- A. Cell Membrane
- B. Mitochondria
- C. Nucleus
- D. Cytoplasm

2. The nucleus acts as the 'brain' of the cell because it contains the instructions for how the cell works.

- A. True
- B. False

3. Known as the 'powerhouse' of the cell, the _____ creates energy so the cell can do its job.

- A. Vacuole
- B. Mitochondria
- C. Ribosome
- D. Cell Wall

4. If a cell was a factory, which organelle would be the 'shipping department' that packages materials to be sent away?

- A. Lysosome
- B. Cytoplasm
- C. Golgi Apparatus
- D. Nucleus

5. Lysosomes are like 'trash collectors' because they help break down waste products inside the cell.

- A. True
- B. False

6. The jelly-like substance that fills the space inside the cell and keeps organelles in place is the _____.

- A. Cell Wall
- B. Chloroplast
- C. Cytoplasm
- D. Ribosome

7. Which organelle is responsible for building proteins, like a tiny construction worker?

- A. Mitochondria
- B. Ribosome

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- C. Vacuole
- D. Cell Membrane

8. In a plant cell, the _____ is a stiff outer layer that provides shape and support, unlike in animal cells.

- A. Endoplasmic Reticulum
- B. Cell Membrane
- C. Cell Wall
- D. Nucleus

9. The Endoplasmic Reticulum (ER) acts like a 'highway' to transport materials from one part of the cell to another.

- A. True
- B. False

10. Which organelle acts as a storage tank, holding water, food, or waste for the cell?

- A. Vacuole
- B. Nucleus
- C. Lysosome
- D. Ribosome