

My Flashcard Set

Cut along solid lines, fold along dashed lines.

FRONT What is the control center of both plant and animal cells, containing genetic material?	BACK Nucleus
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FRONT What flexible barrier surrounds both plant and animal cells, controlling what enters and leaves?	BACK Cell Membrane
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FRONT What jelly-like substance fills the cell and surrounds the organelles in both plant and animal cells?	BACK Cytoplasm
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FRONT What organelle is known as the 'powerhouse' of both plant and animal cells, producing energy?	BACK Mitochondria
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FRONT

What small organelles are responsible for making proteins in both plant and animal cells?

BACK

Ribosomes

FRONT

What rigid outer layer is found only in plant cells, providing support and protection?

BACK

Cell Wall

FRONT

What organelle is found only in plant cells and captures sunlight to make food (photosynthesis)?

BACK

Chloroplast

FRONT

What large, fluid-filled sac is prominent in plant cells for storage and maintaining turgor pressure?

BACK

Central Vacuole

FRONT

What organelle processes and packages proteins and lipids in both plant and animal cells?

BACK

Golgi Apparatus (or Golgi Complex/Body)

FRONT

What network of membranes transports materials throughout both plant and animal cells?

BACK

Endoplasmic Reticulum (ER)

FRONT

What organelles are common in animal cells and contain enzymes to break down waste and cellular debris?

BACK

Lysosomes

FRONT

What structures are involved in cell division in animal cells, but not typically in plant cells?

BACK

Centrioles