

Organelle Foldable

Purpose: Create a study tool that describes in the students own words the function for each organelle and drawing of what it reminds them off in the real world.

Materials Needed:

11x14 paper (lined paper works well for this foldable),
scissors

Directions:

1. Fold your paper in half, hot dog style. Cut **15 flaps** on the front fold to the center crease, creating flaps.
2. Write your name, block, and date on the back.
3. Label the outside of each fold with the following 15 organelles
 - Cell membrane
 - Cytoskeleton
 - Cytoplasm
 - Nucleus
 - Ribosome
 - Endoplasmic Reticulum
 - Golgi Apparatus
 - Lysosome
 - Vacuole
 - Mitochondria
 - Chloroplast
 - Cell Wall
 - Centrioles
 - Flagella
 - Cilia
4. Under each flap:
 - a. Draw a picture or symbol representing the organelle's function
 - b. Write the function in your own words for each organelle.

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Organelle	Functions
Mitochondria	Makes energy for the cell (Powerhouse)
Nucleus	Holds DNA, controls cell (Brain)
Cell Membrane	Controls what enters and leaves the cell; maintains homeostasis (Gatekeeper)
Cytoplasm	Fluid inside of the cell that holds the organelles
Centrioles	Controls cell division
Endoplasmic Reticulum	Makes chemicals for cell (Chemical plant)
Cell Wall	Protection in plant cells
Ribosomes	Protein synthesis (Workshop)
Golgi	Chemical packaging for transport (Shipping center)
Chloroplast	In plants, captures sunlight to make food (Solar panel)
Flagella	Whiplike tail for movement
Cilia	Short "hairs" on the outside of the cell for movement
Vacuoles	Stores water, food, and waste (Warehouse)
Cytoskeleton	Structure and support to the cell ("Frame" of the cell)
Lysosome	Breaks down cell waste (Janitor)

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