



The Thermostat Industry: Transformation from Analog to Digital

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CELL WALL / MEMBRANE - WALLS

THE CELL WALL/MEMBRANE IS SIMILAR TO THE WALLS OF A HOUSE. THE WALLS SURROUND AND PROTECT THE HOUSE JUST AS THE CELL MEMBRANE DOES.

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CYTOPLASM - FLOORS

THE CYTOPLASM IS A GEL-LIKE LIQUID THAT FILLS THE CELL. THE FLOORS ARE EVERYWHERE THROUGHOUT THE HOUSE, JUST LIKE THE CYTOPLASM IS THROUGHOUT THE CELL.

NUCLEUS - PARENTS

THE NUCLEUS CONTROLS THE CELL, JUST LIKE YOUR PARENTS CONTROL WHAT HAPPENS AND THE RULES OF THE HOUSE.

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MITOCHONDRIA - APPLIANCES

THE MITOCHONDRIA MAKE PROTEINS FOR THE CELL. LIKE THE REFRIGERATORS, THE APPLIANCES HELP GET THINGS DONE WITH POWER.

CHLOROPLAST - KITCHEN

THE CHLOROPLASTS ARE WHERE PHOTOSYNTHESIS IN PLANT CELLS OCCUR. IN THE HOME, THE KITCHEN IS WHERE THE FOOD IS MADE.

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VACUOLLES - STORAGE

THE VACUOLLES STORE MATERIALS IN THE CELL, JUST LIKE THE CLOSETS, CABINETS, COFFIN CASES ETC. IN THE HOUSE.

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CELLULOSE

CELLULOSE IS A POLYSACCHARIDE MADE OF GLUCOSE UNITS. IT IS THE MAIN COMPONENT OF PLANT CELL WALLS.

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RIBOSOMES - APPLIANCES

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GOLGI BODIES

IN THE CELL, THE GOLGI BODIES SORT PROTEINS TO BE TRADED OUT, JUST LIKE THE MAIL SORTS OUT MAIL AND PACKETS AND THE VENDOR SORTS OUT PEOPLE.

MITOCHONDRIA - BATTERY / BATTERY

THE MITOCHONDRIA IS THE POWER SOURCE OF THE CELL. IT PROVIDES ENERGY FOR THE CELL.

ENDOPLASMIC RETICULUM - STAIRS

THE ENDOPLASMIC RETICULUM IS THE STAIRS THAT TAKE THE PROTEINS FROM THE NUCLEUS TO THE GOLGI BODIES.

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VACUOLES - CLOSETS / STORAGE

THE VACUOLES STORE NUTRIENTS IN THE CELL, JUST LIKE THE CLOSETS, CABINETS, CHINA CASES ETC. IN THE HOUSE.

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NUCLEUS - PARENTS



THE NUCLEUS
CONTROLS THE
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CONTROL WHAT
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THE END!



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CHROMOSOMES - BEDROOMS

CHROMOSOMES ARE BUNDLES OF DNA.
DNA IS WHAT MAKES YOU DIFFERENT,
JUST LIKE THE BEDROOMS IN THE
HOUSE. YOUR ROOM IS YOUR OWN PLACE
IN THE HOUSE THAT YOU CAN MAKE
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