



Leadership is Not What You Think: A Socratic Dialogue

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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.

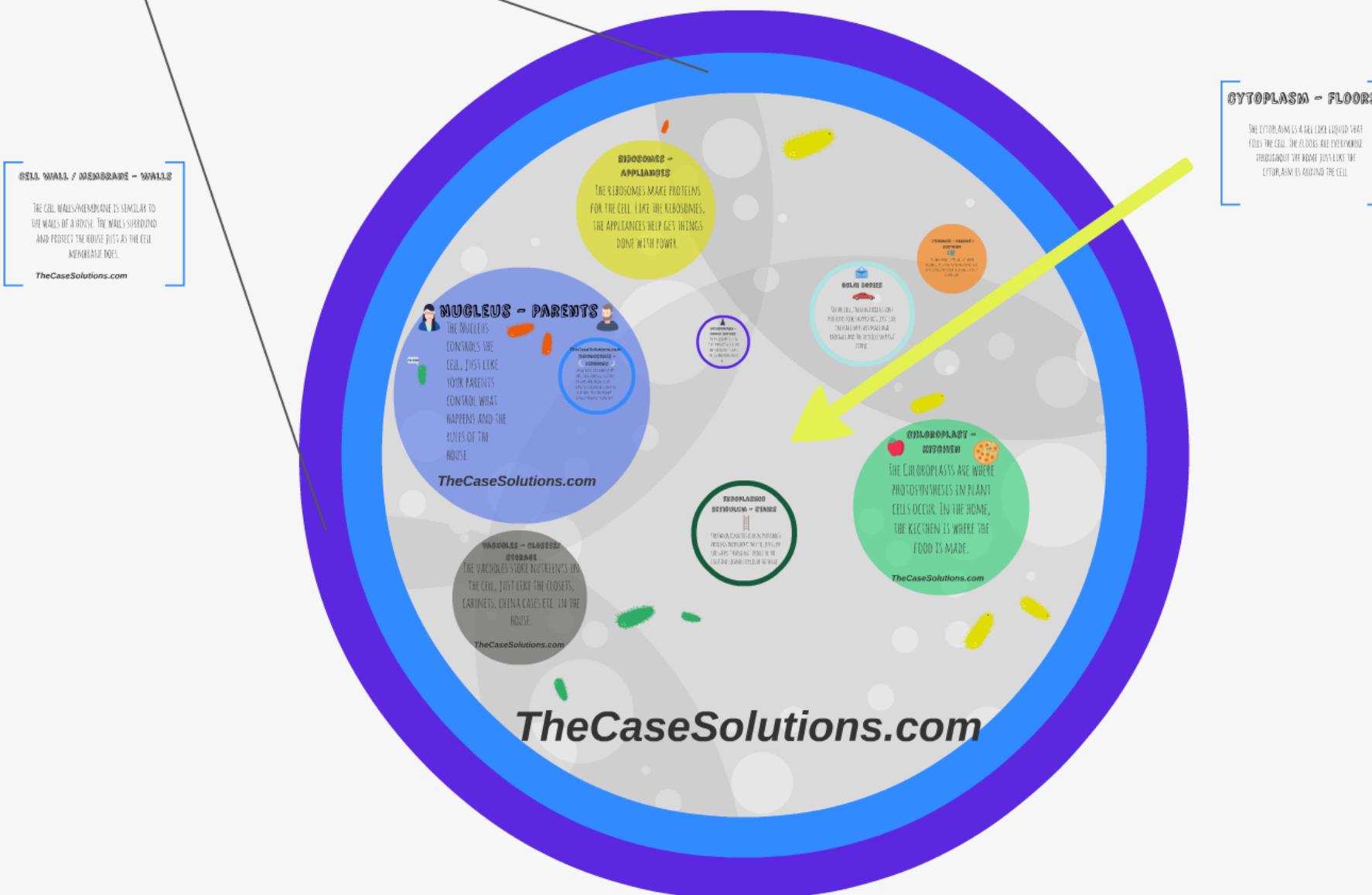
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CELL WALL / MEMBRANE - WALLS

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

CYTOSOL - FLOOR

THE CYTOSOL IS A CELL LIKE LIQUID THAT FILLS THE CELL. THE FLOORS ARE EVERYWHERE THROUGHOUT THE HOME JUST LIKE THE CYTOSOL IS AROUND THE CELL.

- WALLS

MATERIAL TO SURROUND 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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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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RIBOSOMES - APPLIANCES

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

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MANUFACTURERS -
RIBOSOMES
LARGEST 0.7-1.0 μM
100-200 nm
100-200 nm
100-200 nm
100-200 nm

ENDOPLASMIC RETICULUM - STAIRS

THE ENDOPLASMIC RETICULUM PLAYS A
ROLE IN THE SECRETION OF CELLS, JUST LIKE
THE STAIRS TRANSPORT PEOPLE FROM
THE GROUND FLOOR TO THE TOP FLOOR.

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MANUFACTURERS -
ENDOPLASMIC
RETICULUM

SOLAR BONDS

IN THE CELL, THE SOLAR BONDS STORE
PROTEINS THAT HELP GET THINGS DONE.
THE SOLAR BONDS ARE SMALL AND
PROBABLY DON'T TAKE UP TOO MUCH
SPACE.

CHLOROPLAST - KITCHEN

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

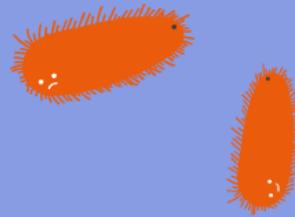
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CHROMOSOMES - BEDROOMS

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
DIFFERENT FROM THE OTHER ROOMS.

THE END!



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