

Lesson 6:

Exploring Cells

Sep 24-8:40 AM

What is a cell?

Basic unit of life. All living things are made of cells.

organisms

systems

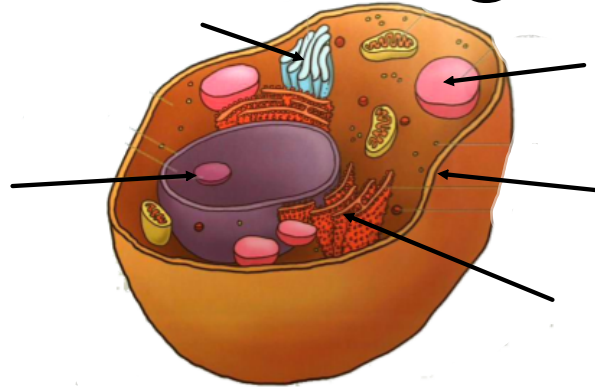
organs

tissues

cells

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What is an organelle?



Any of the structures
found inside of the cell

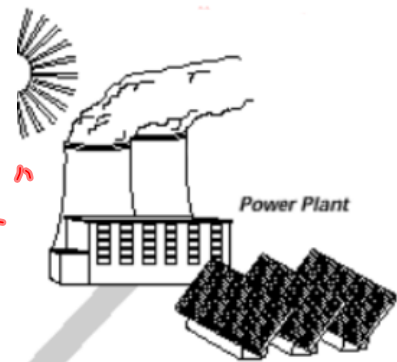
Means "tiny organ"

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What is the function of the mitochondrion?

To produce and release
energy for the cell

"Mighty Mitochondria"



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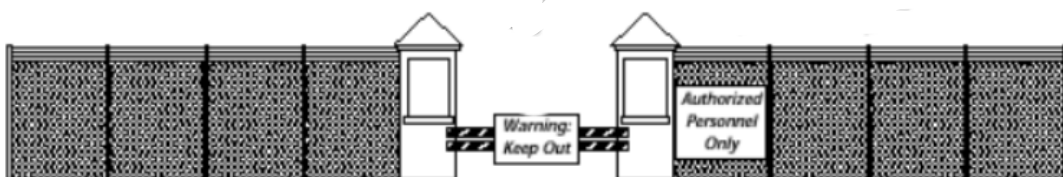
What is a cell membrane?

- Living
- Separates the cell from its environment
- Controls what goes in and out of the cell

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What is a cell wall?

- Non-Living
- Rigid
- Controls what goes in and out of the cell



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What is a chloroplast?

- Found in LEAF and STEM cells (GREEN parts of plants)
- Produces food (glucose) for the plant
- Did your onion cells have chloroplasts?

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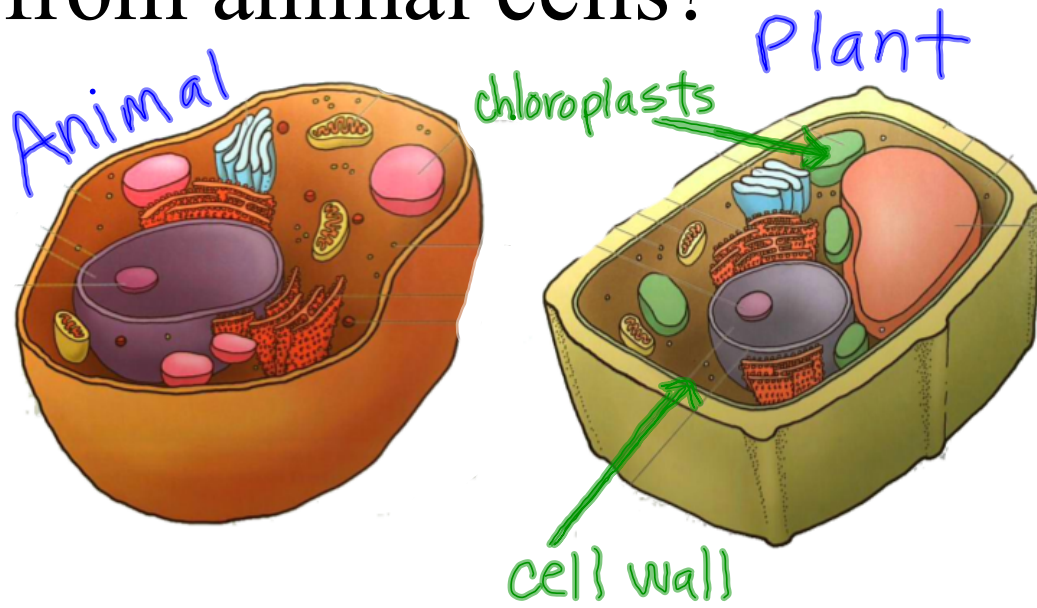
What is a nucleus?

- Regulates ALL activities of the cell
- Contains the chromosomes (made of DNA)



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How are plant cells different from animal cells?



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