

Cell
Theory

Cell Theory

All living
things are made
of cells.

Oct 13-8:32 AM

Cells are the
basic unit of
Structure & function.

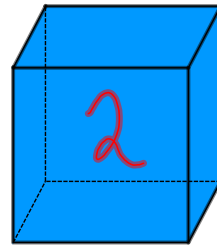
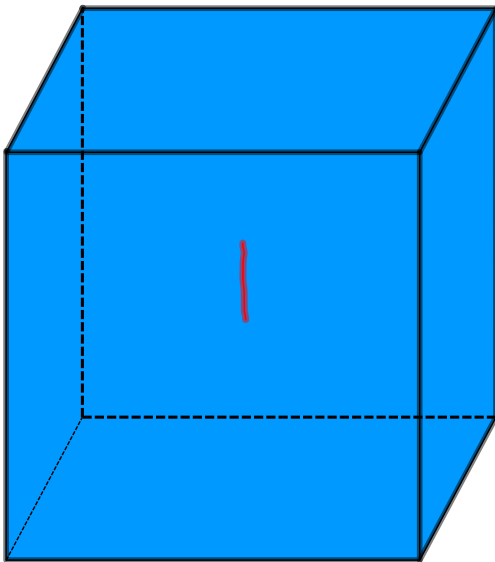
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All cells
arise from
other
cells.

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Why are
cells so
small?

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SURFACE
to
VOLUME
ratio

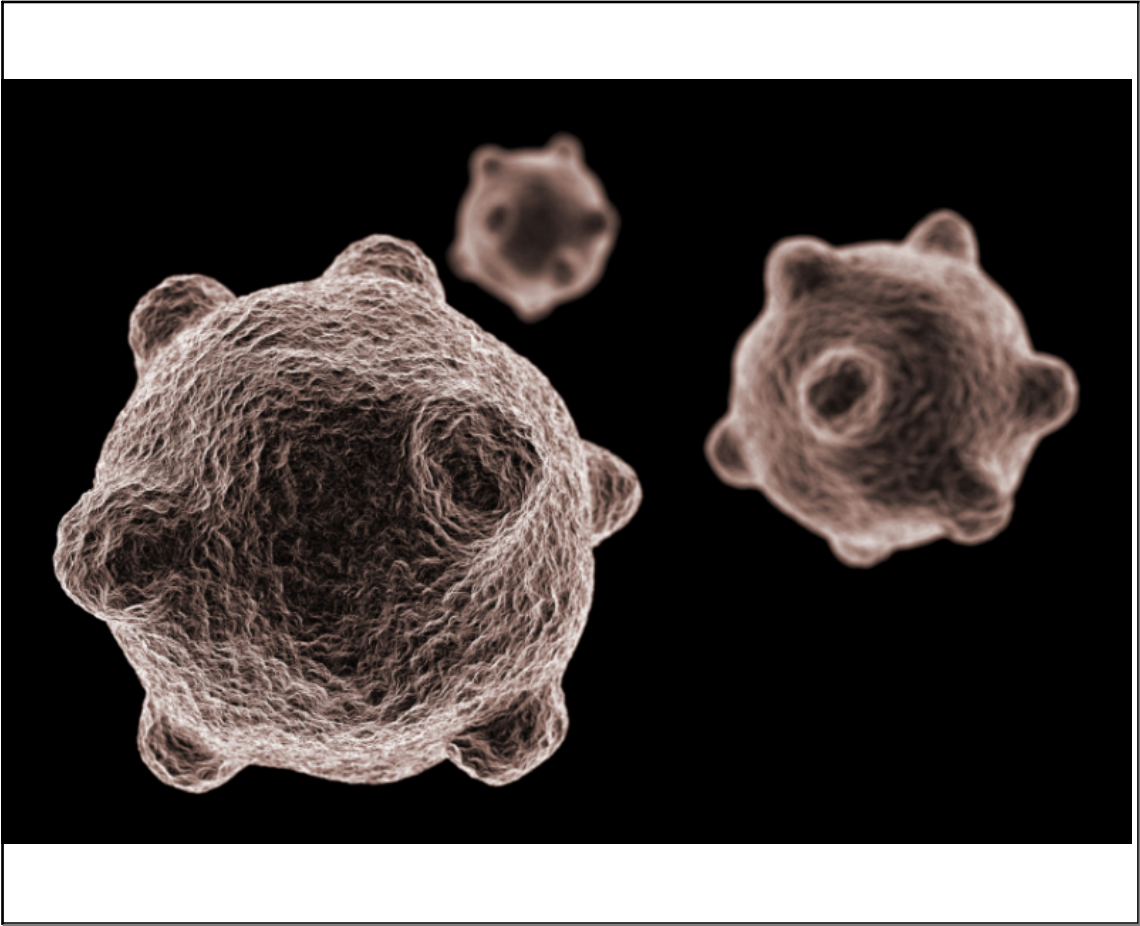
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Cells have
common features
called
organelles

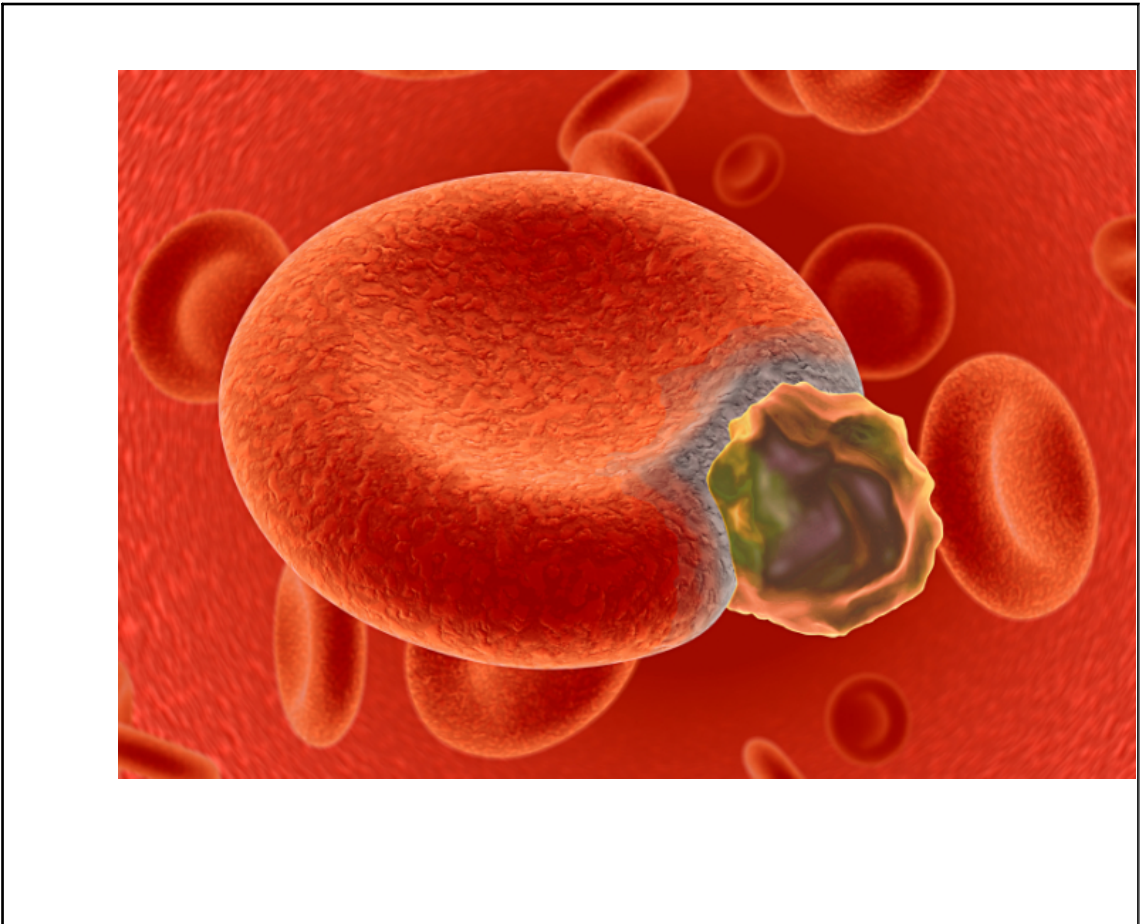
Organelle

Prokaryote - single celled
organism that lacks a
nucleus. Bacteria

Prokaryotes



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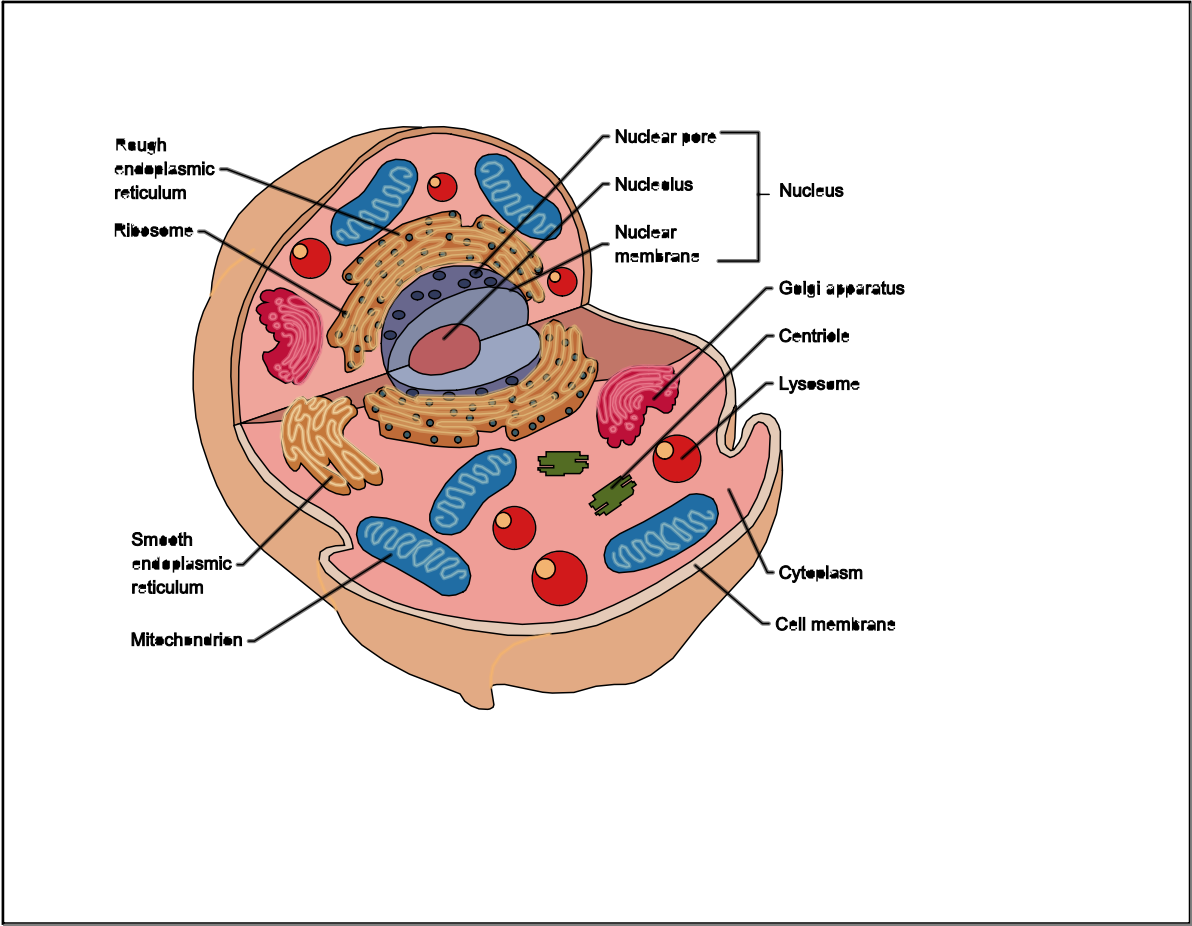
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Oct 10-8:30 AM



Oct 10-8:06 AM

Eukaryote -
 organisms w/
 cells w/ a nucleus

Eukaryote

Nucleus

Control center, brain

egg yolk

inside the cell

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Nucleolus

contains DNA

egg yolk in an
egg yolk

inside the nucleus

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Cell Wall

protection + support

Orange peel

Outside of a
Plant Cell

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Cell Membrane

structure, support,
lets things in + out

Cheese cloth

A - outside the cell

P - under cell wall

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Cytoplasm
holds stuff
jello
inside the cell

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Ribosomes
makes protein
button candy
inside the cell

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Chromatin
Coiled up DNA
ramen noodles
inside the nucleus

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ER
transports things
ribbon candy
inside the cell

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Golgi Complex

packages, processes, **UPS**
+ distributes

ribbon candy
inside the cell

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Lysosome

breaks down + digests
damaged parts

mini m+m's
inside the cell

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Vacuole
Stores water
like bottles
inside the cell

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Mitochondria
makes energy, has
its own DNA
Kidney beans
inside the cell

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Chloroplast
makes food for plant
cell
pea pods
inside the cell

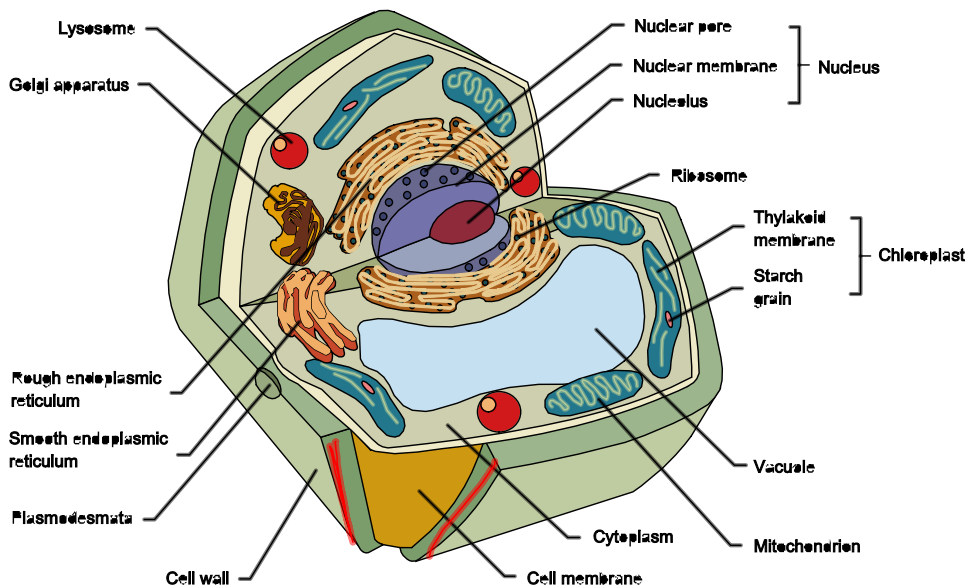
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Cilia
movement
furr on kiwi fruit
outside the cell

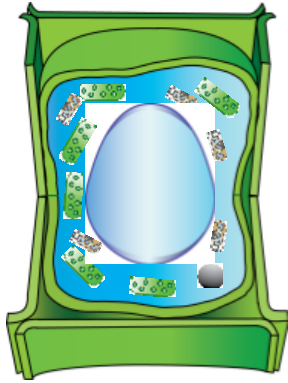
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Flagella
 Movement
 tail string
 outside the cell

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Sep 29 - 6:41 AM



Oct 10-8:06 AM