

Cell Theory 1

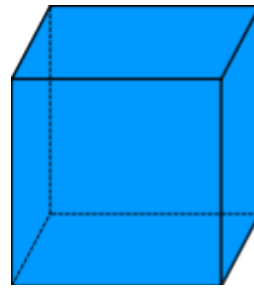
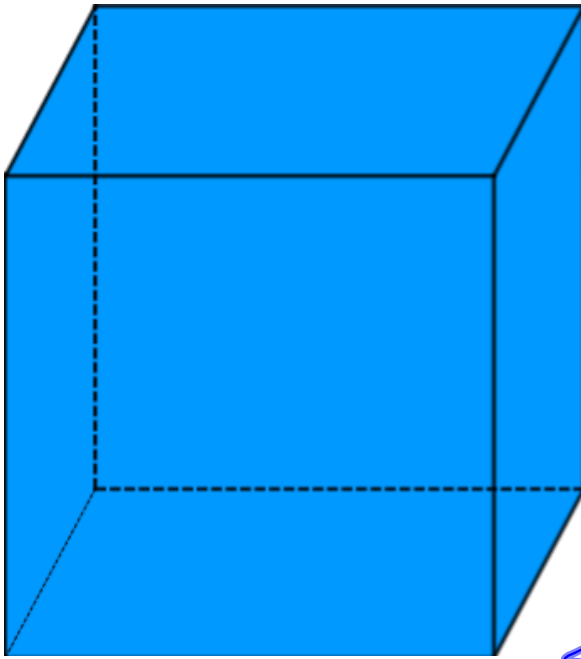
All living things
are made of
cells

Cell Theory 2

Cells are the
basic unit of
Structure & function

Cell Theory 3

Cells only
come from other
cells.



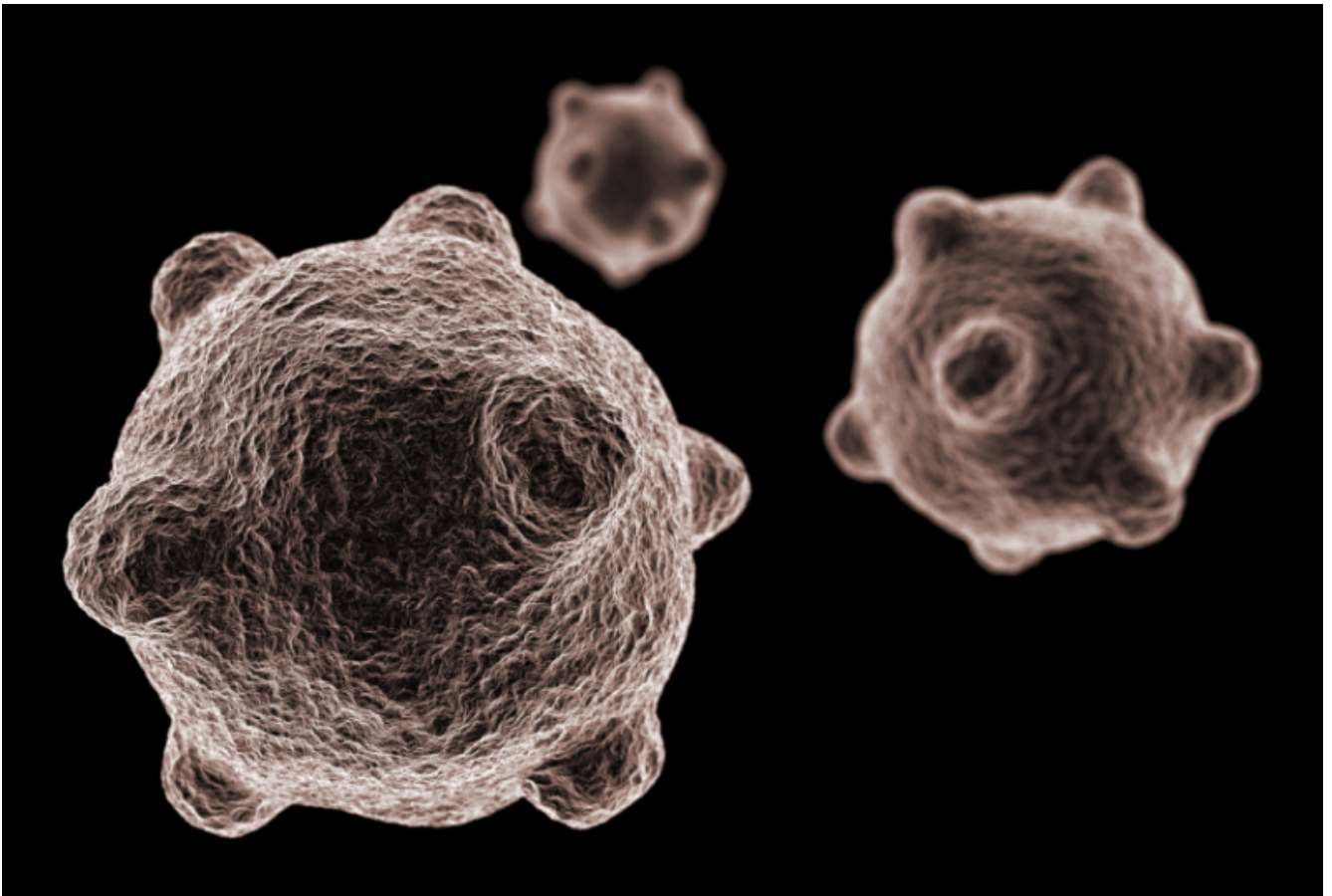
Small cells
have a larger
surface area
to volume ratio.

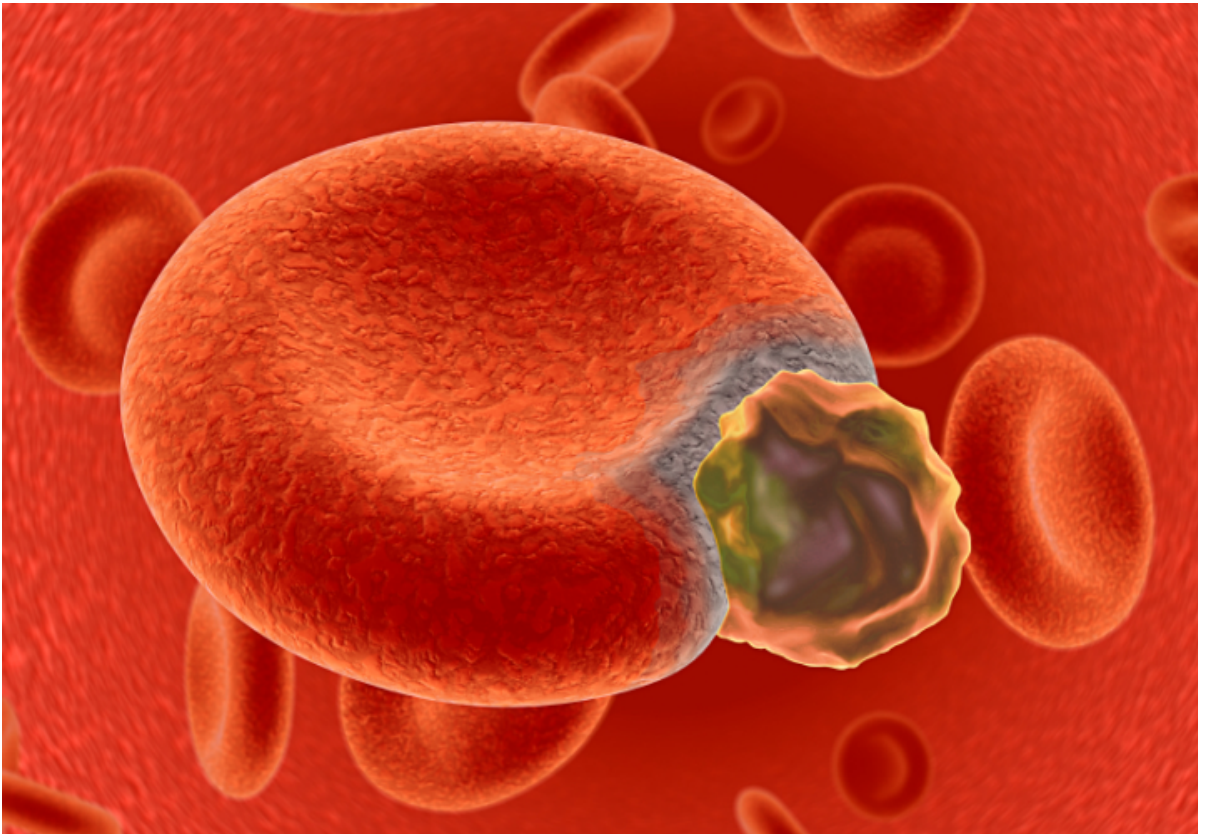
Organelle—

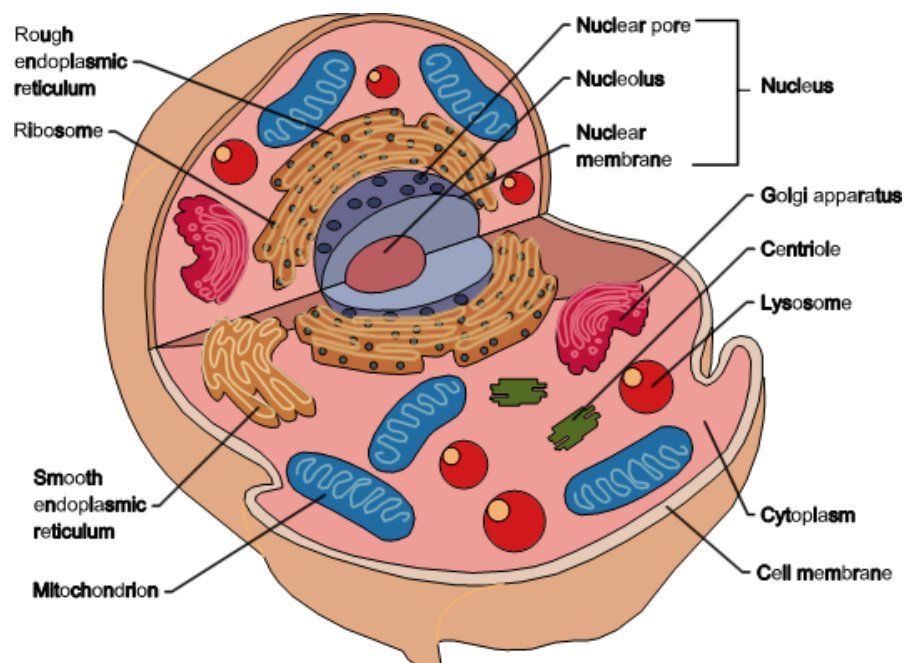
Stuff
inside
cells

Prokaryotes

Single-celled
organisms with
no nucleus







Eukaryote

Cells
with a
nucleus

Nucleus

holds DNA, brain
yolk in an egg
inside a cell

Nucleolus

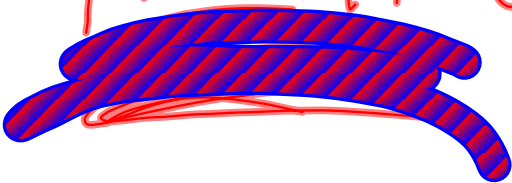
makes ribosomes + RNA

Present inside
present in M & M's
inside the nucleus

Cell Wall

Structured support

Shell of an egg
outside of PLANT cell



Cell Membrane

lets things in & out
of cell
membrane under
egg shell
animal - outside
plant - under the cell
wall

Cytoplasm

holds stuff

jello

inside cell

Ribosome

makes proteins

mini m+m's

in cytoplasm

Chromatin

not dividing DNA
pull & pull licorice,
ramen
inside nucleus

Endoplasmic Reticulum (ER)

transports within
cells

ribbon candy
inside cytoplasm

Gogli Complex

packages, processes
& distributes
(UPS)
ribbon candy
in cytoplasm

Lysosome

breaks down and
digests damaged
parts
Candy buttons
in cytoplasm

Vacuole

Stores stuff
like H_2O
wax bottles
in cytoplasm

Mitochondria

makes energy

Kidney beans

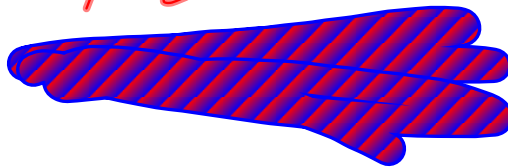
in cytoplasm

Chloroplast

makes food

pea pod

in cytoplasm
of PLANT cells



Cilia

Movement
hairs on Kiwi
outside of cell

Flagella

movement

a piece of angel
hair pasta
outside of cell

