

Cell Theory 1

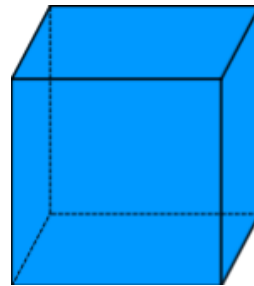
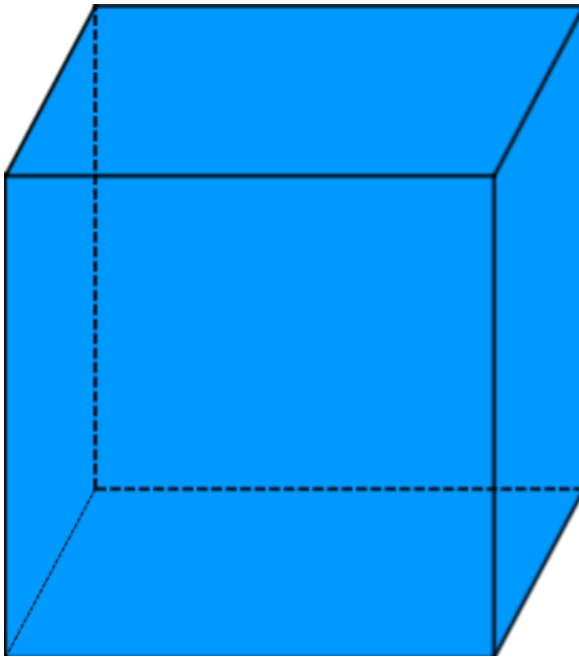
All living
things are made
of cells.

Cell Theory 2

Cells are the
basic unit of
Structure &
function.

Cell Theory 3

All cells
come from
other cells



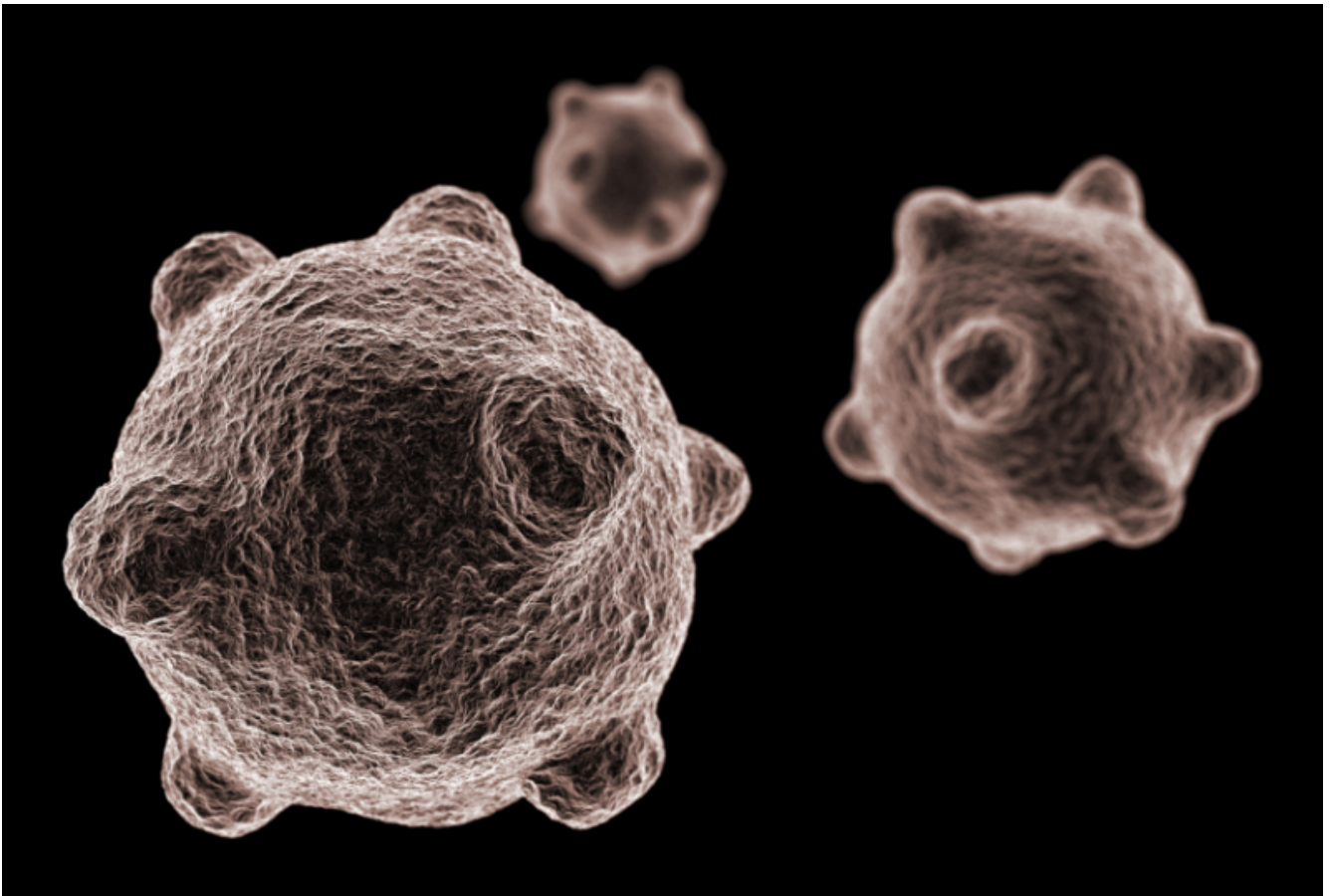
Smaller cells
have larger
surface area
to volume
ratio

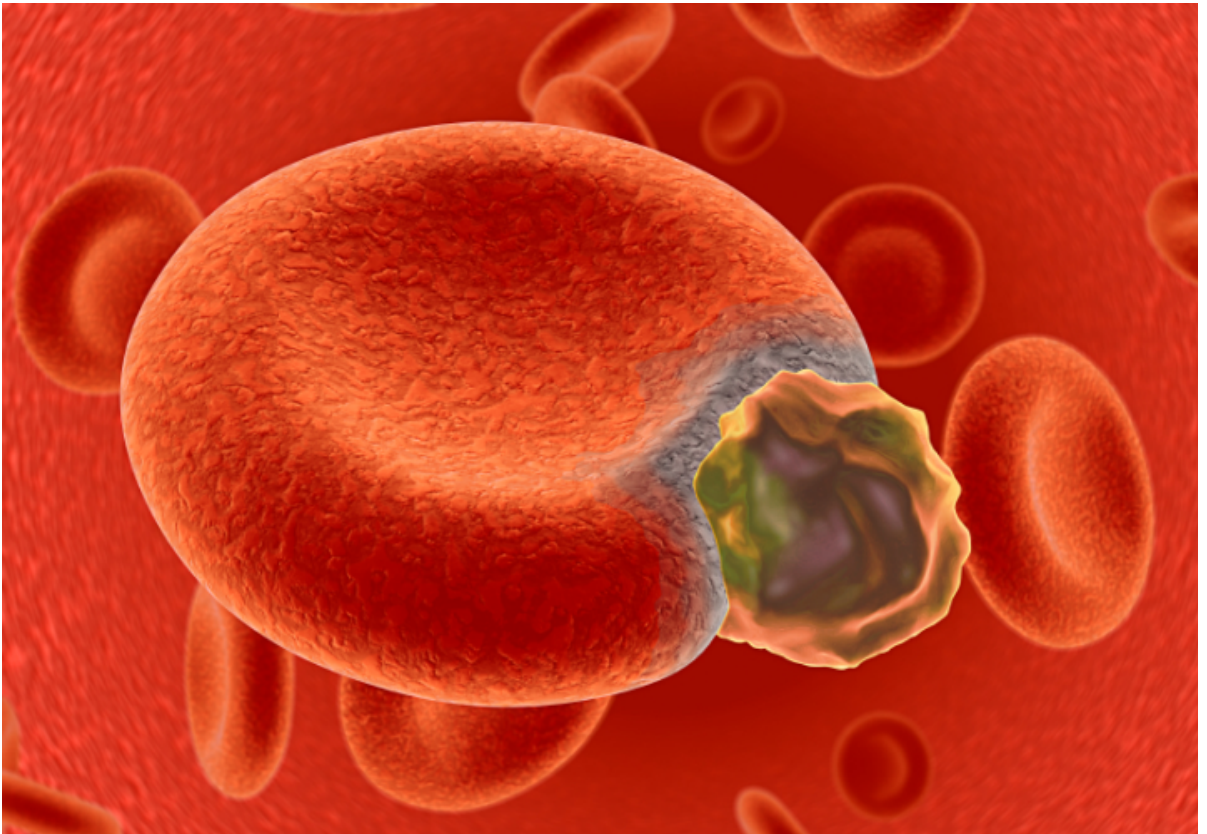
Organelle -

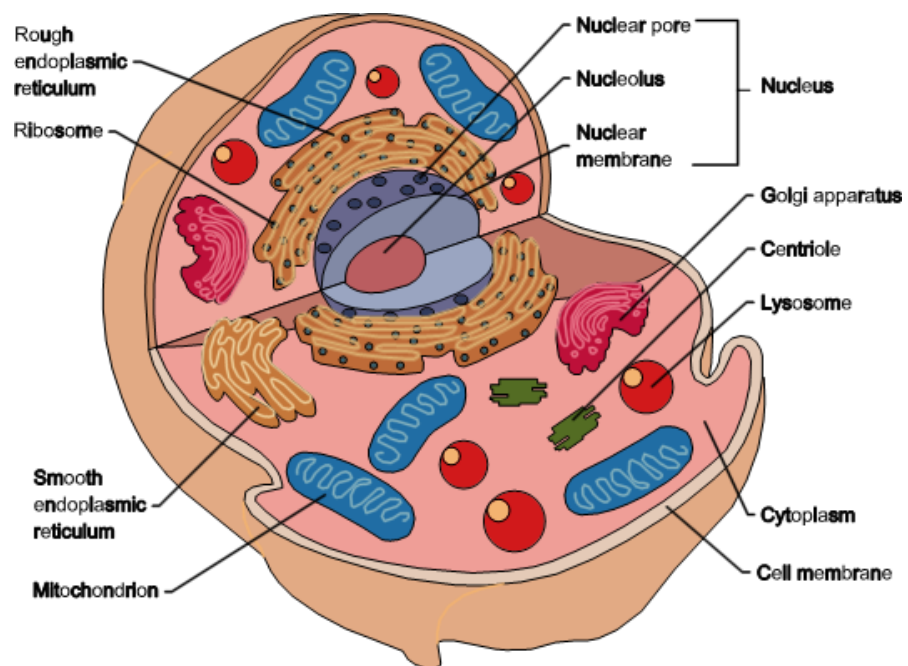
Things in
cells

Prokaryotes

Single celled
organisms
with no
nucleus







Eukaryote

cells with
a
nucleus

Nucleus

houses DNA, brain
yolk in an egg
inside cell

Nucleolus

make riosomes+RNA

peanut in peanut M M

inside nucleus

Cell Wall

Structure + support
egg shell
outside of PLANT cell

Cell Membrane

lets things in & out

membrane inside egg shell

Animal - outside
plant - under cell wall

Cytoplasm

holds stuff

jello

inside cell

Ribosome

make protein

mini m+m's

in cytoplasm

Chromatin

DNA when not
dividing
pull & pull licorice,
ramen
in nucleolus

Endoplasmic Reticulum (ER)

transports within cell

ribbon candy
in cytoplasm

Gogli Complex

transports, process
distributes (UPS)
ribbon candy
in cytoplasm

Lysosome

Break down & digest
damaged parts

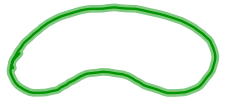
button candy
in cytoplasm

Vacuole

Stores stuff
bottle candy
in cytoplasm

Mitochondria

makes energy

Kidney beans 

in cytoplasm

Chloroplast

makes food
pea pod
in PLANT cell

Cilia

movement
hairs on Kiwi
outside cell

Flagella

movement
Single piece of angel
hair pasta
Outside of cell

