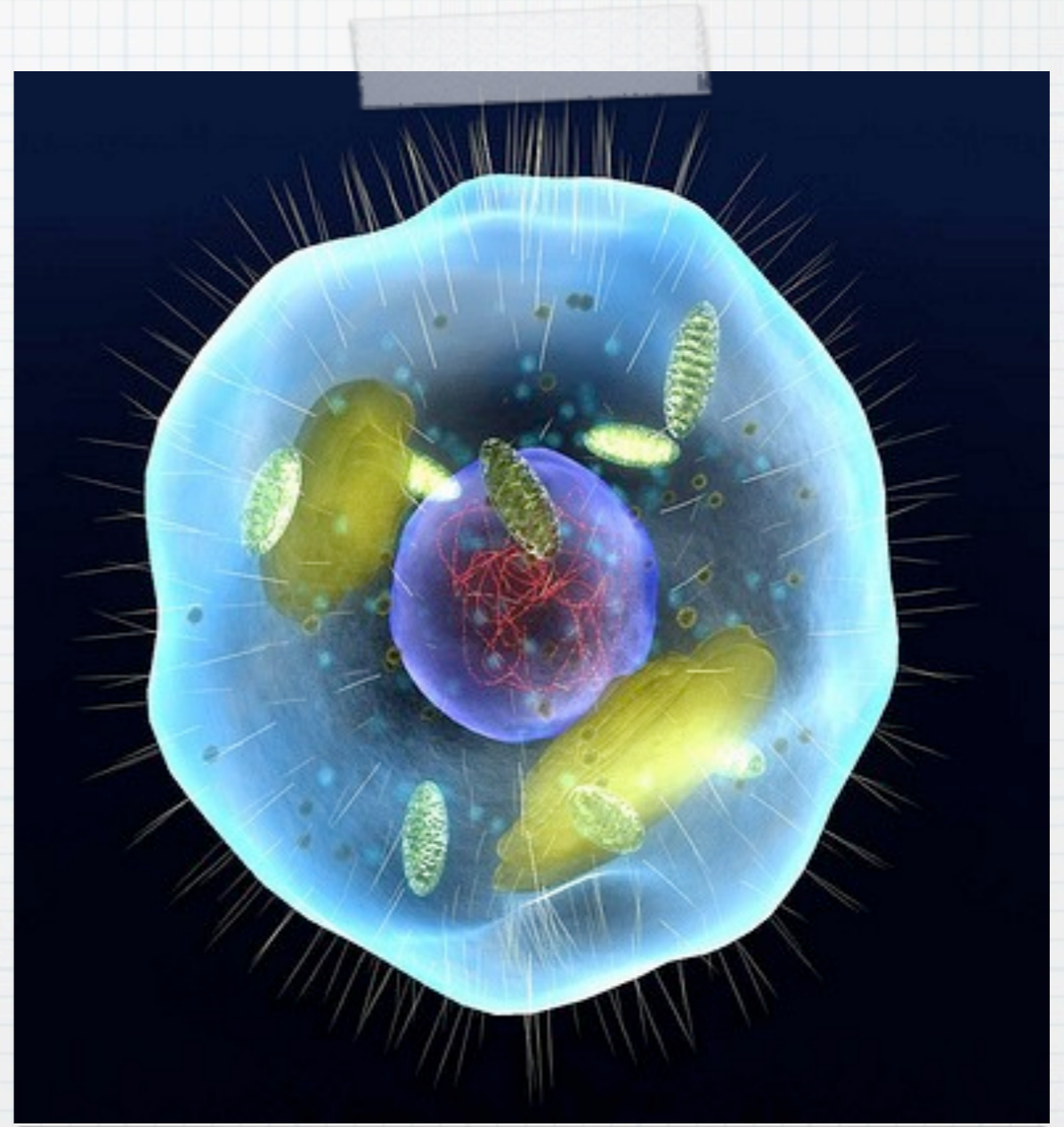


# Cell Theory

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# What is cell

- \* Cell: The basic unit of life



# Characteristics of Life

- \* Reproduce
- \* Grow
- \* Exchange Gases
- \* Die
- \* Respond to the environment
- \* Take in food/release waste

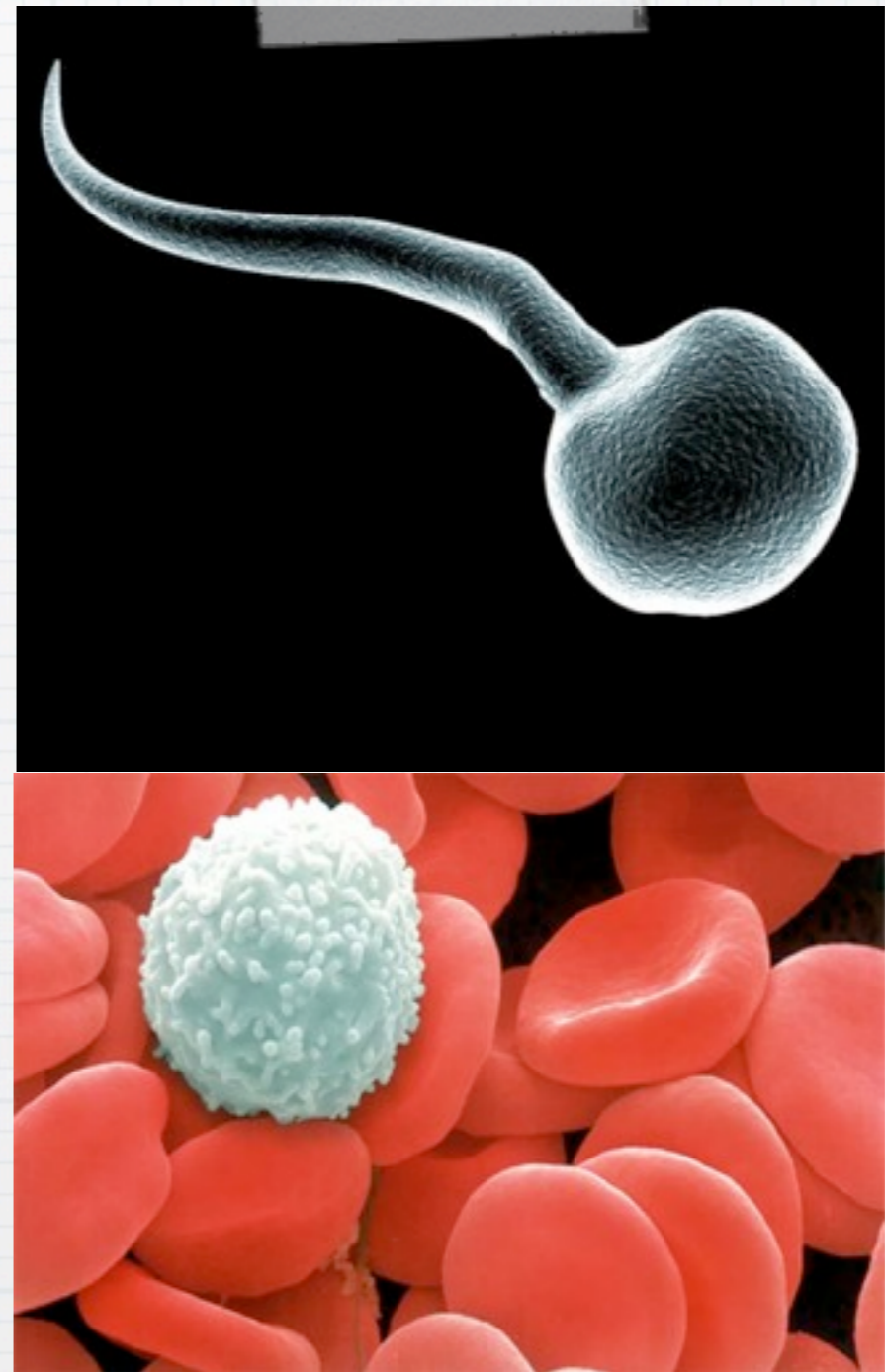
# Cells can vary in

1) Size



# Cells can vary in

\* 2) Shape



# Cells can vary in

\* 3) Features



# Grouping of Cells

\* **Tissue: A grouping of cells of the same types**

\* **Cell → Tissues → Organs → Organ Systems → Organism**

# Cell Theory

- \* All living things are made of cells



# Cell Theory

- \* Cells are the building block of life

# Cell Theory

- \* All cells come from pre-existing cells

# Major Players



"All plants  
contain cells"

\* Schleiden

# Major Players



"All animals  
contain cells"

\* Schwann

# Major Players



"All cells  
come from other  
cells."

\* Virchow