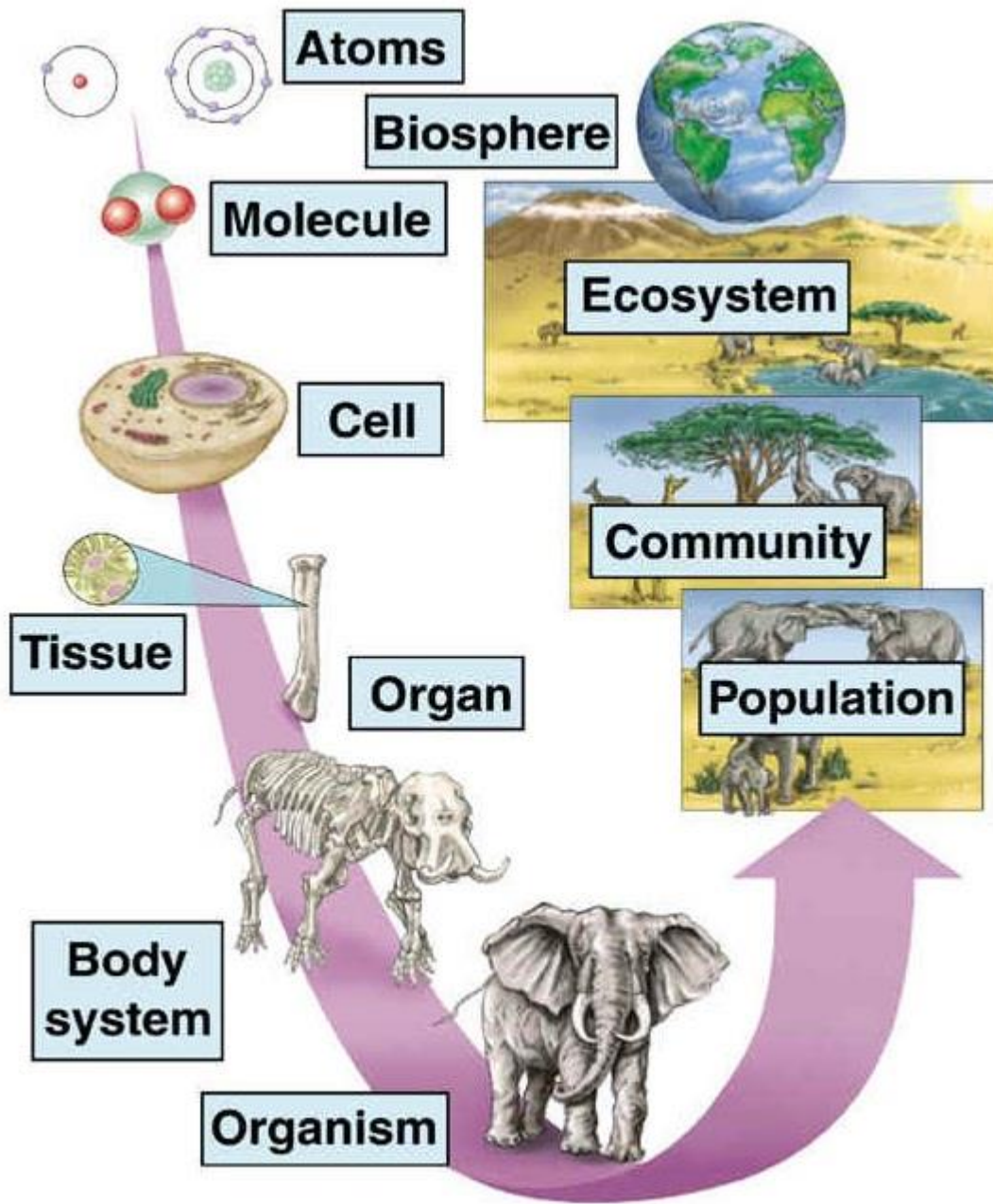


# Update Journal

- Unit 6 Review – page 60
- Cells Review List – page 61
- Levels of Organization Foldable – page 62
- Cell Theory Time Line – page 63
- Unit 7: Cells Warm-Up & Reflections – page 64  
–Reserve at least 3 sides

# Warm-Up

- What are the levels of organization?
  - Organism → Population → ???



# Today's Goal

## Foldable

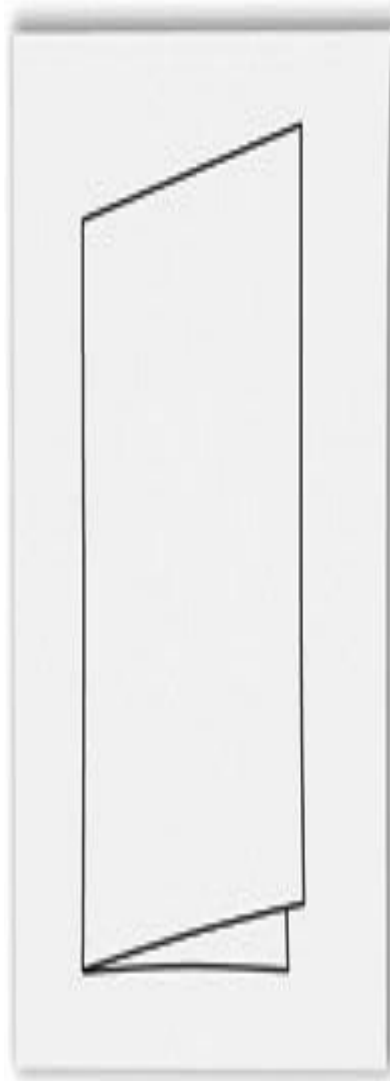
- I can recite the levels of organization.

## Time Line

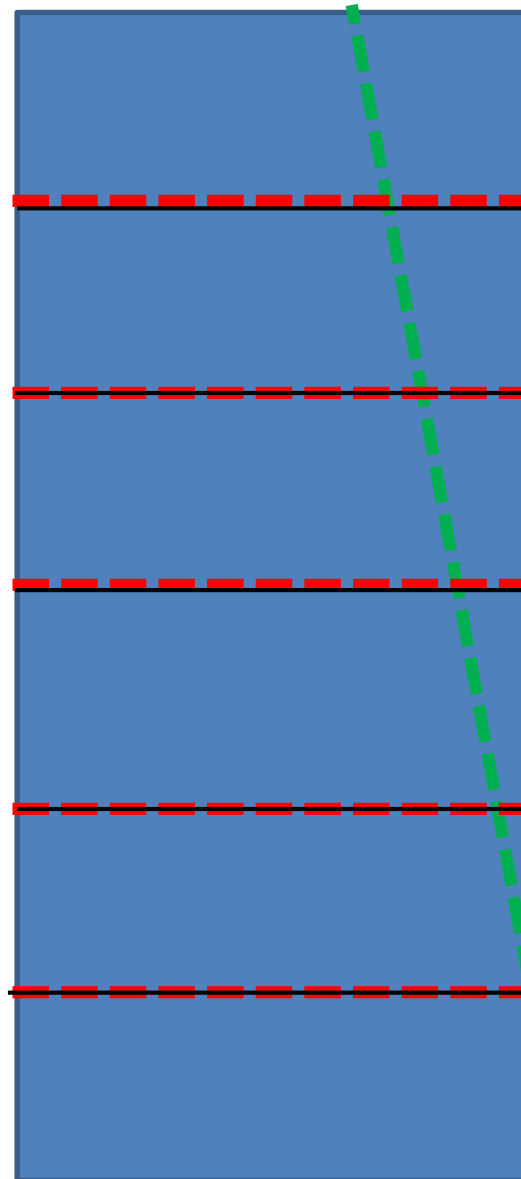
- I can recite the cell theory (timeline)
- We can list common functions of all cells.

# Levels of Organization foldable

- Fold your paper vertically (hot dog style)

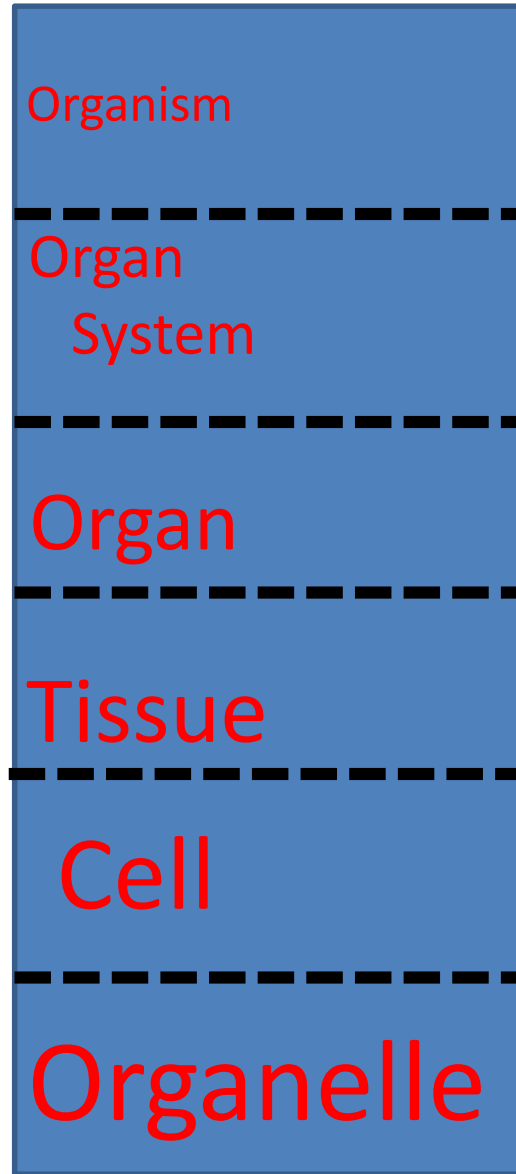


- Cut a diagonal line
  - Leave the bottom section whole
- Cut only the front page
  - into 6 sections



- Label the sections

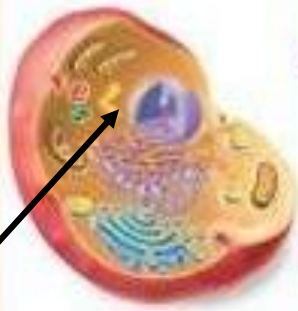
- Organelle should be your smallest word – written on left side





- Add the definition of each word on the back of the flap.
  - Organism – most complex
    - group of organ systems working together
  - Organ system - group of organs working together
  - Organ - group of tissues working together
  - Tissue – group of cells working together
  - Cell – basic unit of structure & function in living things
    - (2<sup>nd</sup> part of Cell Theory)
  - Organelle – least complex
    - specialized structure found in cells

Organelle



Cells

Tissues

Organs

Organ systems

Organism



- Add examples on back page

## Human Body

Circulatory System,  
Nervous System,  
Digestive System

Heart, Brain,  
Stomach,

Blood,  
Nerves,  
Connective tissue

Red blood cell,  
Neuron,  
Epithelial cell

Mitochondrion  
Centriole

## Plant

Root system,  
Leaf system,

Root, Stem,  
Leaf

Onion skin,  
Ground tissue,  
Vascular tissue

Guard Cell,  
Xylem,  
Phloem

Chloroplast  
Large Vacuole

# TimeLine

1738  
smallpox epidemic

1775  
Richard Henderson purchases Middle TN and Southern KY



1796  
Tennessee becomes 16th State



1772  
Watauga Compact



1781  
Battle of the Bluffs

1818  
Chickasaw Purchase

\_\_\_\_\_ cells in cork.



Improved the \_\_\_\_\_.



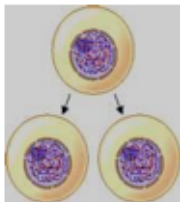
Said all \_\_\_\_\_ are made of cells. Credited with the first two parts of the cell theory.



Said all \_\_\_\_\_ are made of cells. Credited with the first two parts of the cell theory.

Said cells come from \_\_\_\_\_

\_\_\_\_\_ (the last part of the cell theory).



Robert Hooke

Anton van

Leeuwenhoek

Matthias Schleiden

Theodor Schwann

Rudolph Virchow

1665

1673

1838

1839

1858

## Cells

- ❖ Contain \_\_\_\_\_ material (DNA)
- ❖ Are generally the \_\_\_\_\_ size
- ❖ Organisms \_\_\_\_\_ by \_\_\_\_\_ cells (bigger organisms have more cells)
- ❖ Carry on similar \_\_\_\_\_ to sustain life
  - Obtain \_\_\_\_\_ from food
  - Get \_\_\_\_\_ of waste
  - \_\_\_\_\_
  - \_\_\_\_\_ (gas exchange)
  - Obtain \_\_\_\_\_

## The Cell Theory

- ❖ All living things are composed of \_\_\_\_\_.
- ❖ Cells are the \_\_\_\_\_ of structure and function in living things.
- ❖ \_\_\_\_\_ cells are produced from \_\_\_\_\_ cells.

# Word Bank

- Heredity
- Cells
- Rid
- Plants
- Reproduce
- Animals
- Existing
- Same
- Breathe
- Microscope
- Grow by adding
- Water
- Basic units
- Discovered
- Come from
- Functions
- Energy
- New

# Warm-Up

- What are the levels of organization?
  - Organelle → ???

# Warm-Up

- What are the levels of organization?
  - Organelle →



# Today's Goal

## Time Line & Cell Theory Reading

- I can recite the cell theory (timeline)
- We can list common functions of all cells.