

# Warm Up

- Get out your homework “Choice Article Reflection”
- Find a partner who had the article you did not, sit down with them. **No more than 4 people at each table.**
- Take turns sharing a brief summary of the article and telling them one or more of your answers to the 3 response questions.

# Day 1 Body Systems

Essential Standard 7.L.1.3. Understand the processes, structures and functions of living organisms that enable them to survive, reproduce and carry out the basic functions of life.

*I will* create a flow chart describing the organization of cells, tissues, organs, organ systems and organisms.

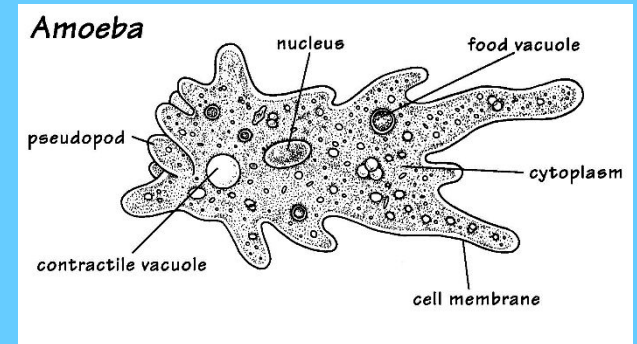
# Levels of Organization

Life is organized into different levels based upon size (from small to large).



# Review Organisms and Cells

- Some organisms are unicellular.
  - This means they are made of only one cell.
  - Examples: bacteria, yeast

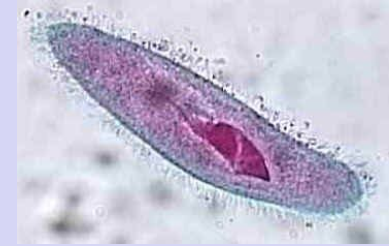


- Some organisms are multicellular.
  - This means they are made of many cells.
  - Examples: humans, trees

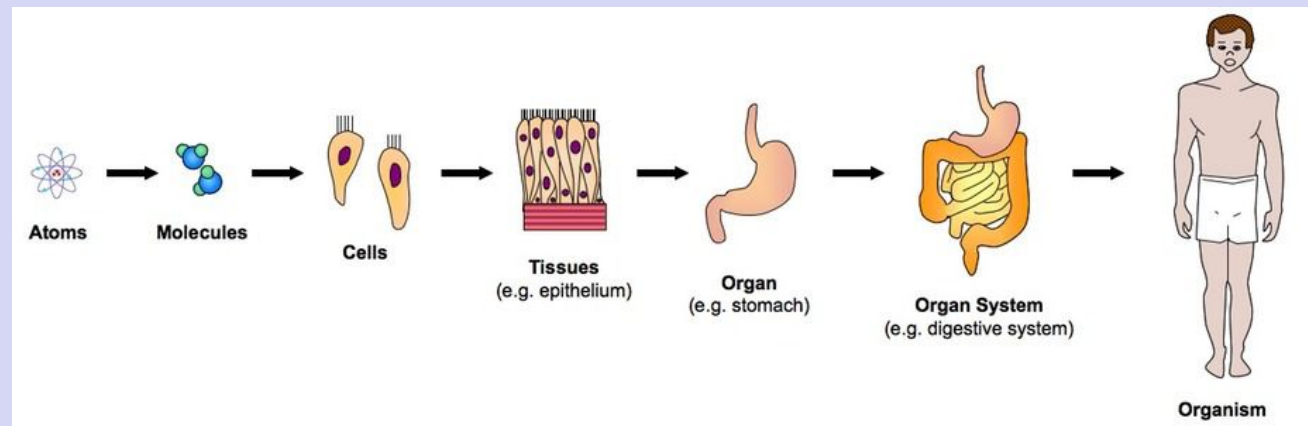


# Organisms and Cells

- Unicellular organisms have nothing but a single cell.



- However, multicellular organisms have many more levels of organization to make sure the whole body can work correctly, even when it is doing many things at the same time.



# There are 5 Levels of Organization in Multicellular Organisms:

- 1. Cells
- 2. Tissues
- 3. Organs
- 4. Organ Systems
- 5. Organisms



# the CELL

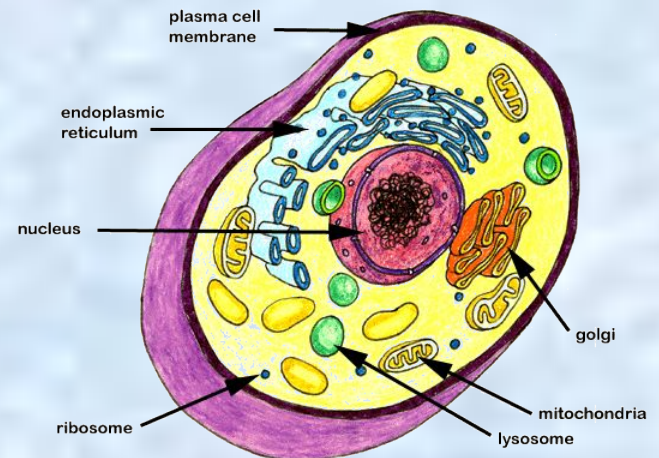
The cell is the basic unit of life.

Cells are specialized by size and shape for the job they do.

Example: skin cell



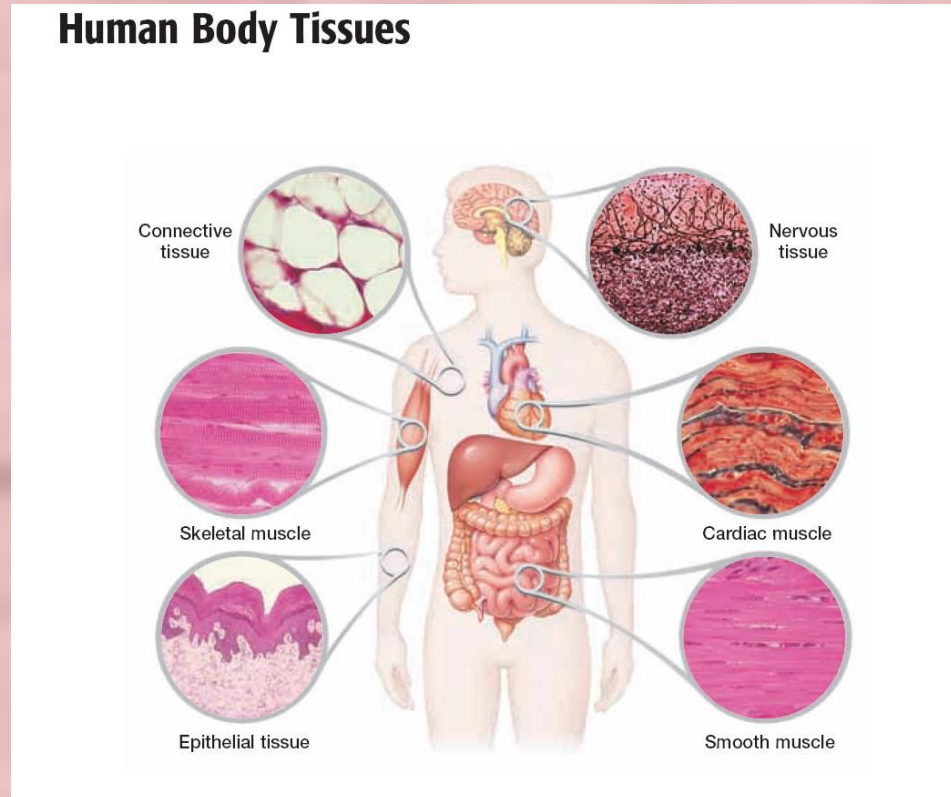
The paramecium above is made of only one cell and it must perform all the jobs of the organism.





# TISSUES

Tissues are made of the same type of cells grouped together to do a specific job.



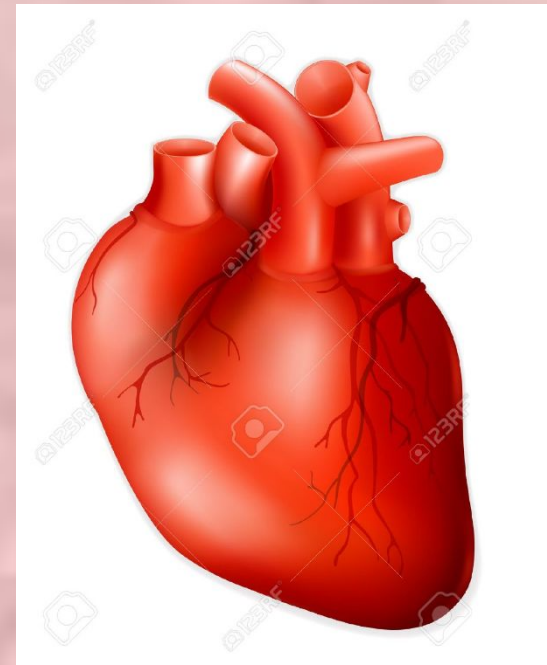
Example: Humans have four kinds of tissue in their Bodies: Epithelia, Muscle, Connective, and Nerve.



# Organs

Organs are made up of different tissues that work together to do a job.

Example: a heart is an organ .



# Organ Systems

An organ system is a group of organs working together.

## Examples:

- Human organ systems include circulatory, reproductive, digestive, nervous, respiratory.
- Plant organ system-roots, stems, leaves= transport system.



# Organisms

All cells, tissues, organs and organ systems working together makes an organism.

Video



Example: a human