

**Title: Organ Systems**

**Date: 1 November, 2023**

**LO: To understand LEVELS OF ORGANISATION.**

**Making Some Progress**

**Define the terms organelle, cell, tissue, organ & organ system, organism.**

**Making Good progress**

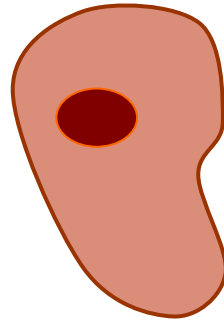
**Explain how cells, tissues and organs are arranged to make a specific organ system**

**Making Outstanding Progress**

**Compare the role of different organ systems in the human body.**

**Language for Learning**

**Organelle, Cell, Tissue,  
Organ, Organ System**

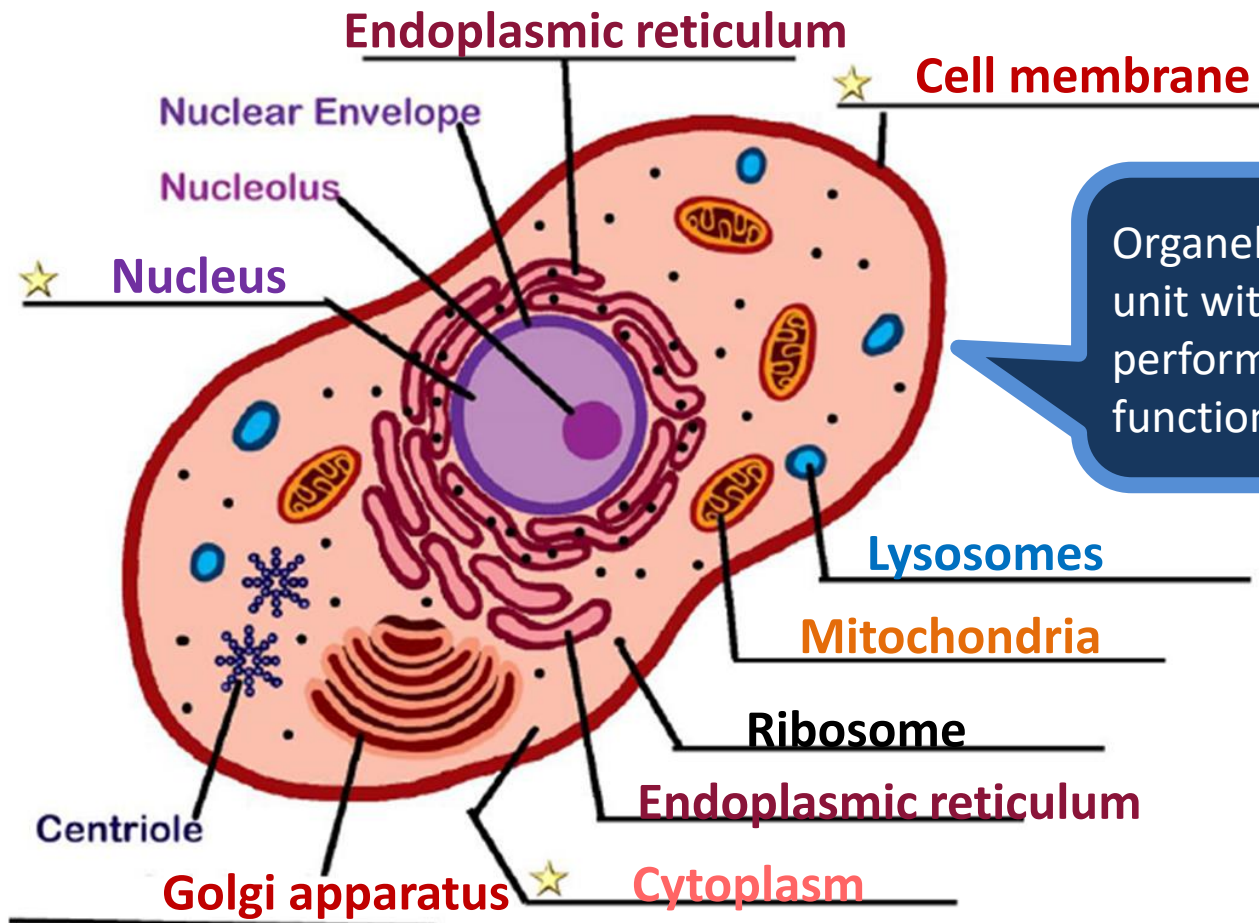


# Cell

The basic building block of life

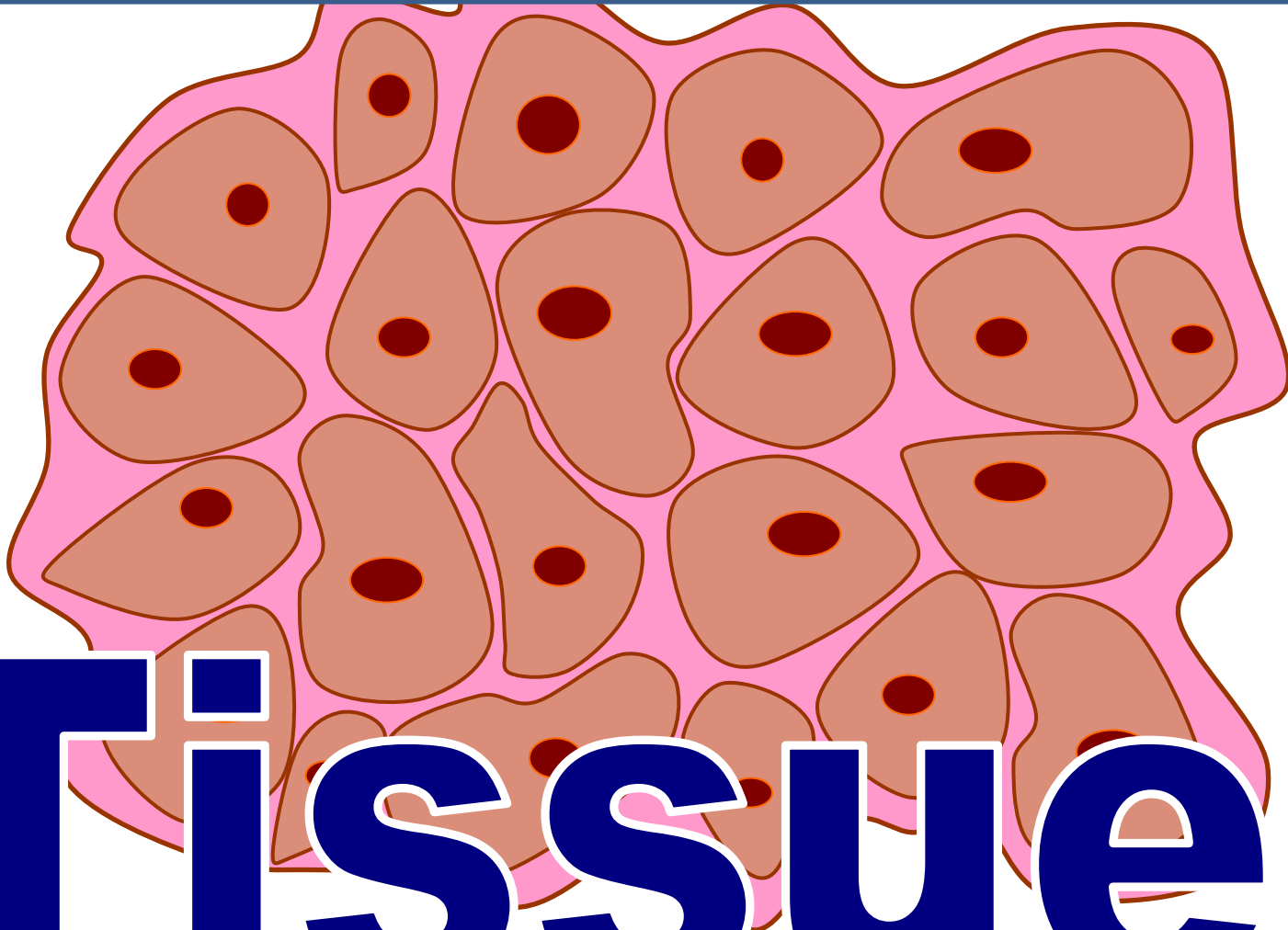
Objective: To understand what happens when cells work together.

# Cells are the **building blocks** of all living things.



Organelle - a specialised unit within a cell which performs a specific function.

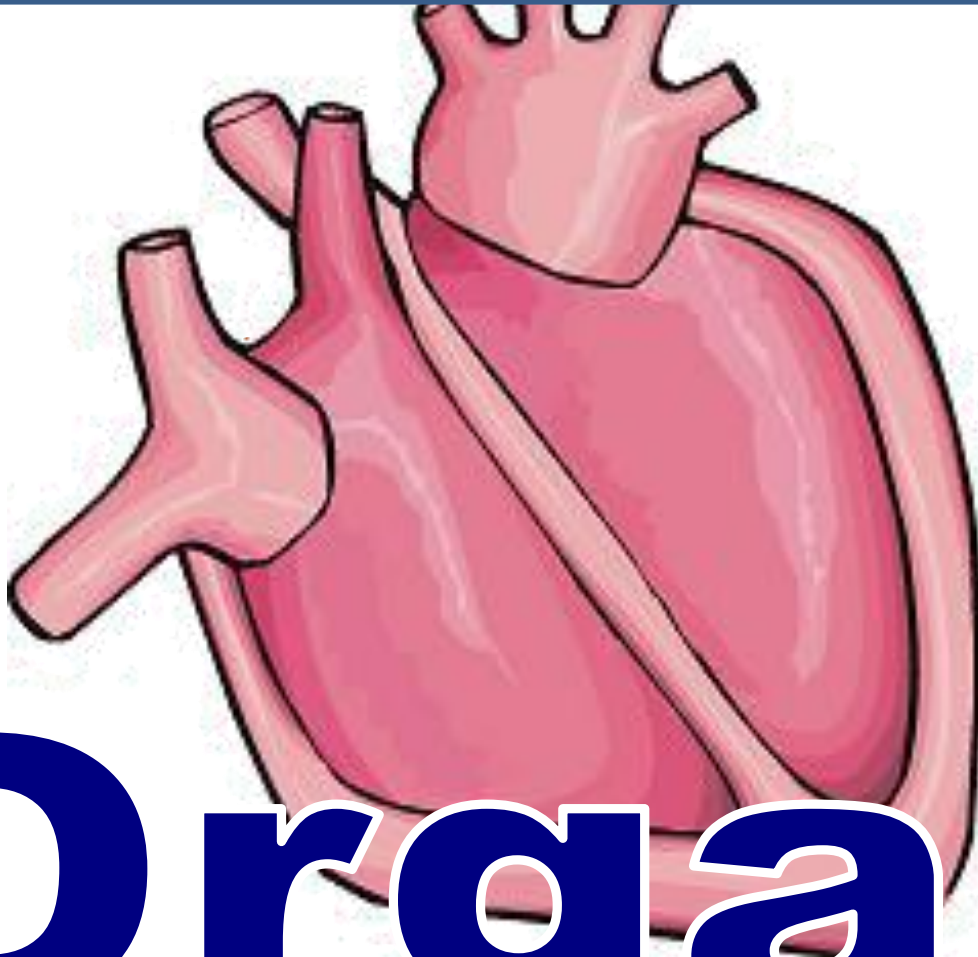
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# Tissue

A group of cells of the same type

Objective: To understand what happens when cells work together.



# Organ

A group of tissues that work together to perform a function

# Levels of organisation

In order of increasing complexity, multicellular organisms are made of:

cells → tissues → organs → organ systems

STRUCTURE	DESCRIPTION
ORGANELLE	A specialised unit within a cell which performs a specific function
CELL	The basic building block of all living organisms
TISSUE	A group of cells working together to perform a shared function, and often with similar structure
ORGAN	A structure made up of groups of different tissues, working together to perform specific functions
ORGAN SYSTEM	A group of organs with related functions, working together to perform certain functions within the body

## TASK 1

Order the words below in your pyramid on the next slide. Have the smallest on the bottom and work up to the largest.

Organelle

Organ system

Organ

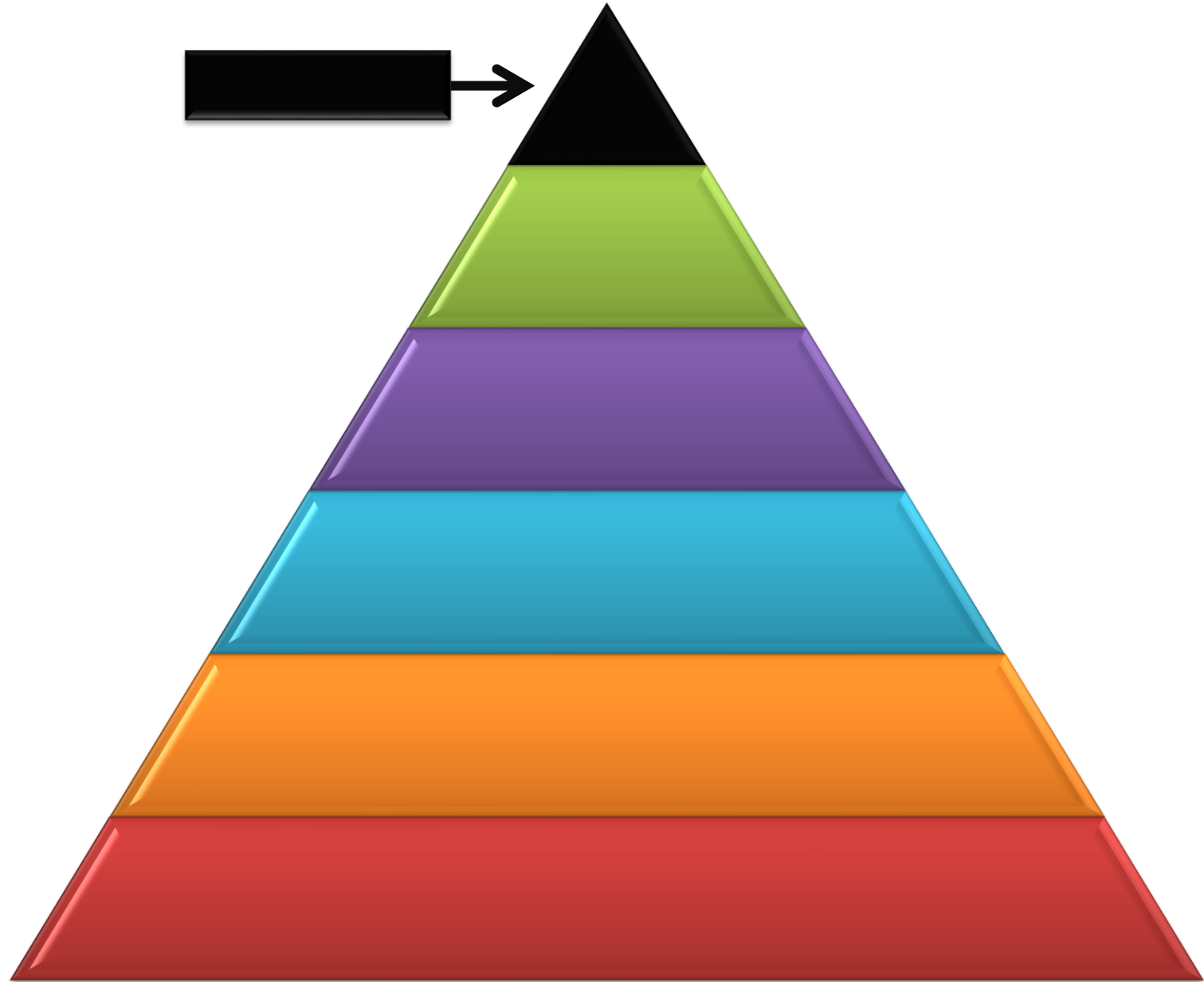
Cell

Organism

Tissue



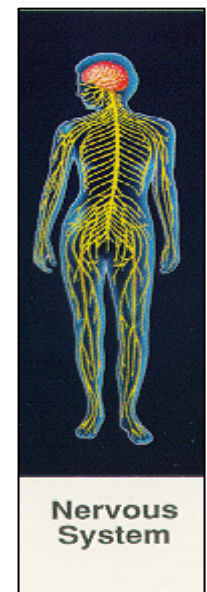
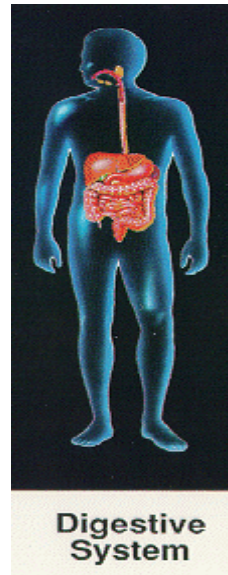
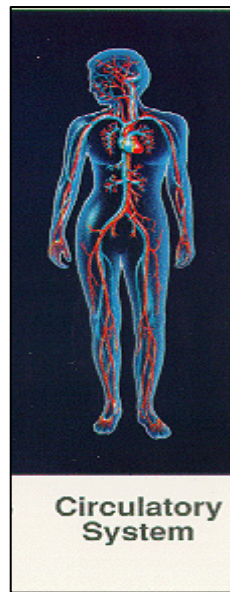
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## TASK 2

We have lots of different Organ Systems. Can you name any?



These are just examples of a few, we will be covering a lot of them in more detail over the next few weeks! Together all of these organ systems make an organism like you!

## TASK 3

# True or false



Tissues are made from only one type of cell.

Lots of organ systems work together to make an organism.

An organelle is bigger than an organ

The circulatory system carries electrical messages around the body

The spinal cord and brain are organs in the Nervous system

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