



Introduction to Tissues, Organs and Systems



Learning Goals

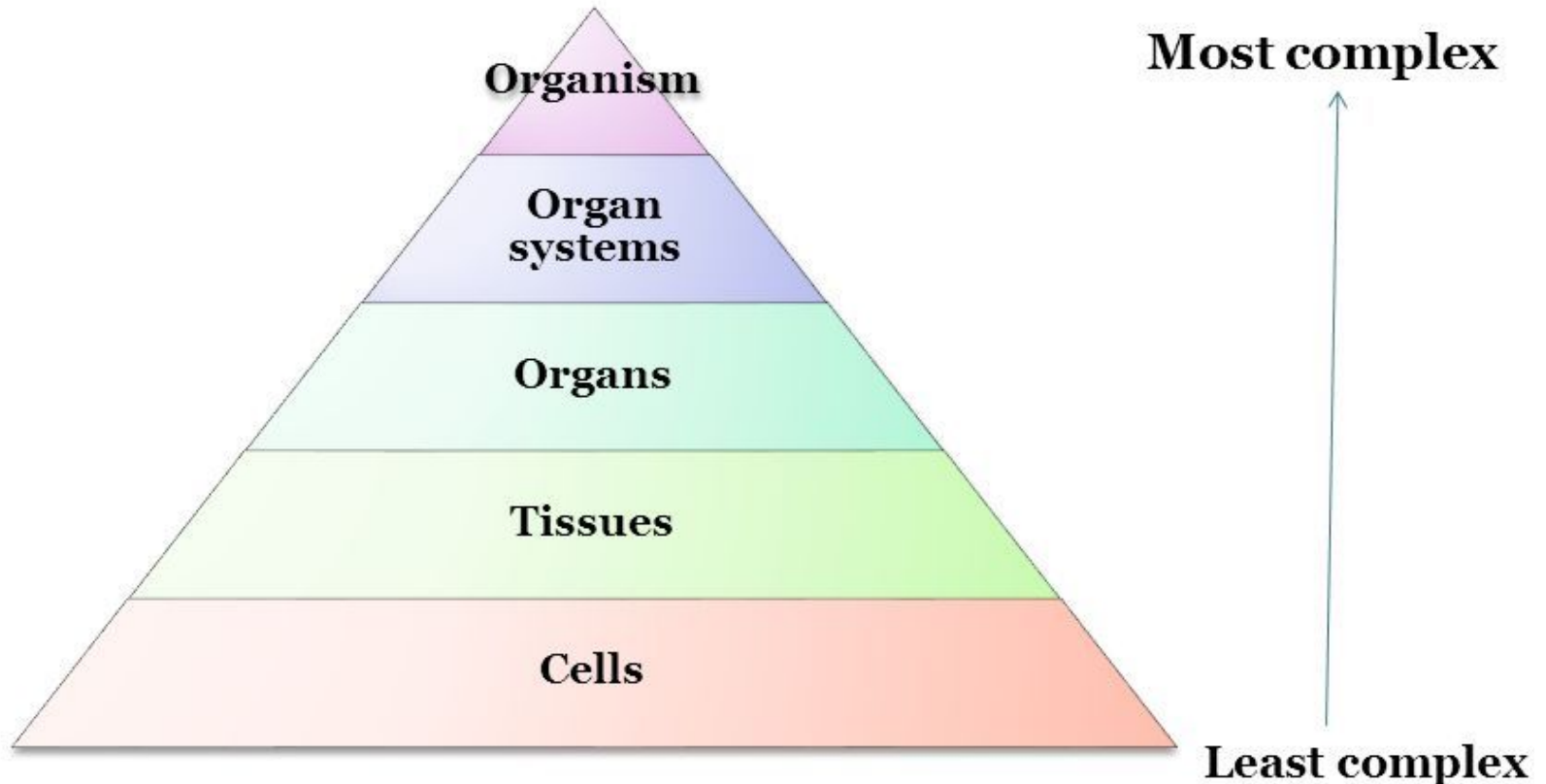
By the end of this lesson students will be able to:

- Describe the levels of organization in the human body
- Explain the link between cells, tissues, organs, and systems in the human body

Scale of the Universe



Levels of Organization



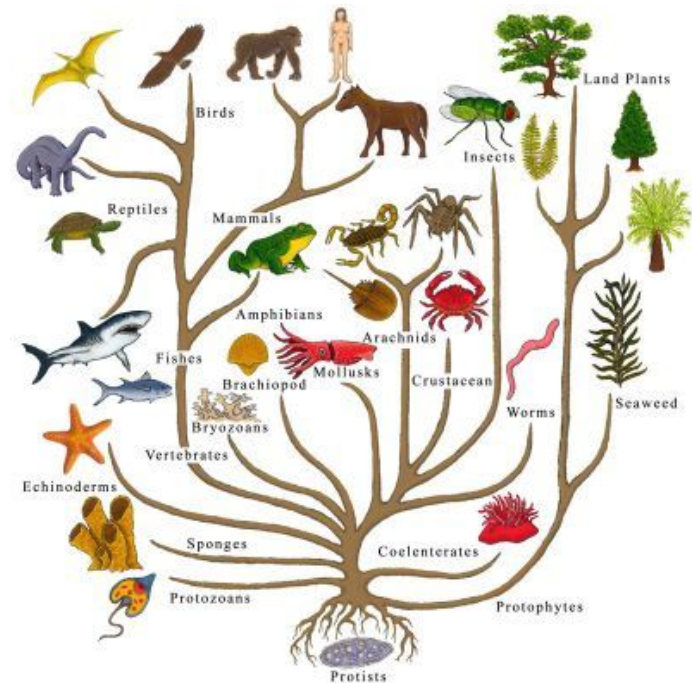
Hierarchy- a system or organization or classification of things according to relative importance or inclusiveness.

Organism

Organism- an individual animal, plant, or single-celled life form.

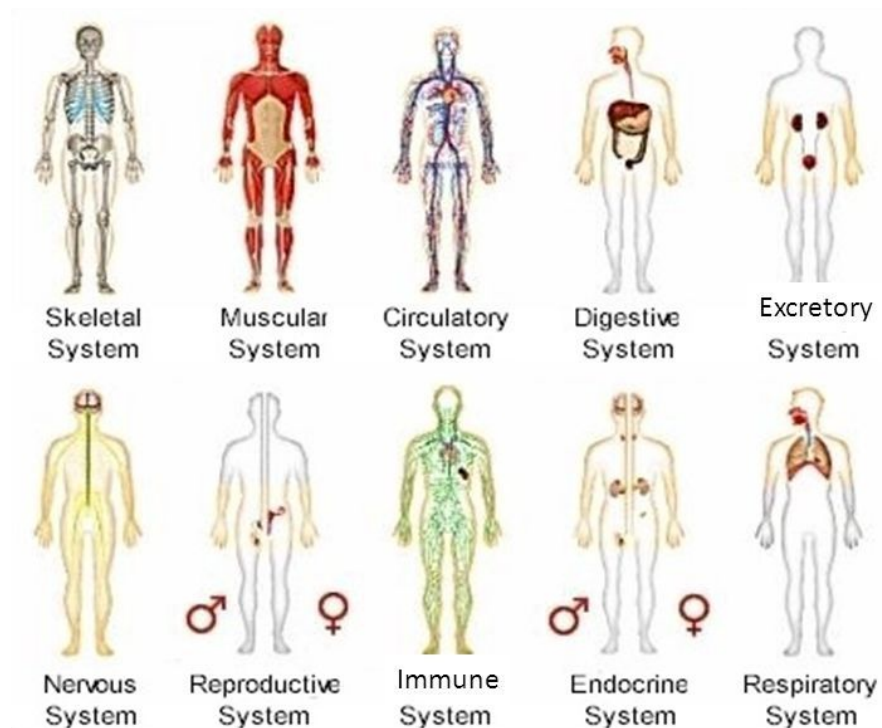
All types of organisms are capable of:

- reproduction
- growth



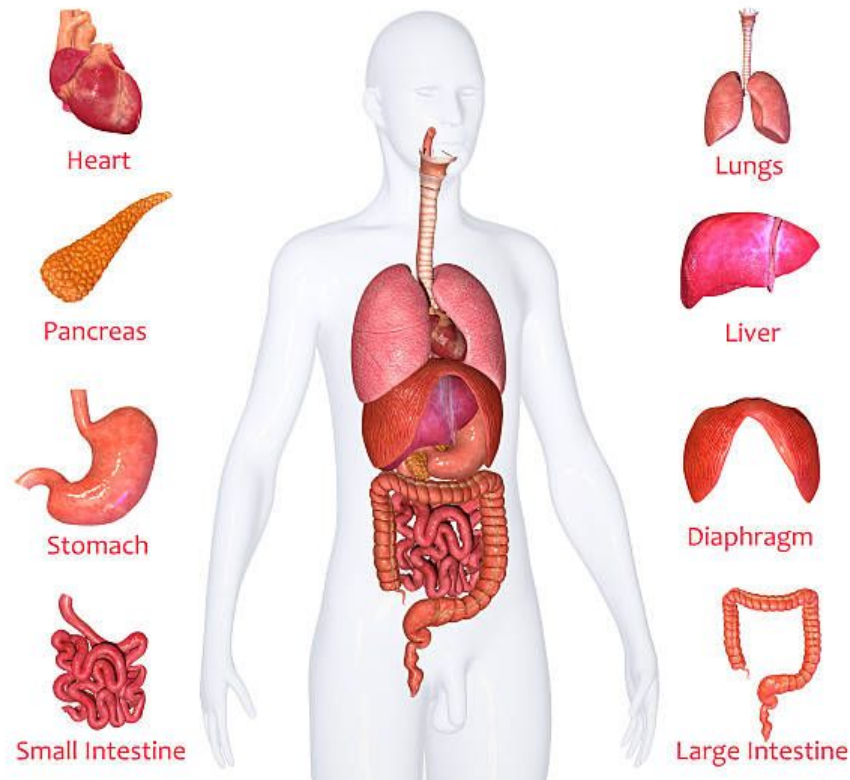
Organ Systems

Organ system- one or more organs and other structures that work together to perform a vital body function



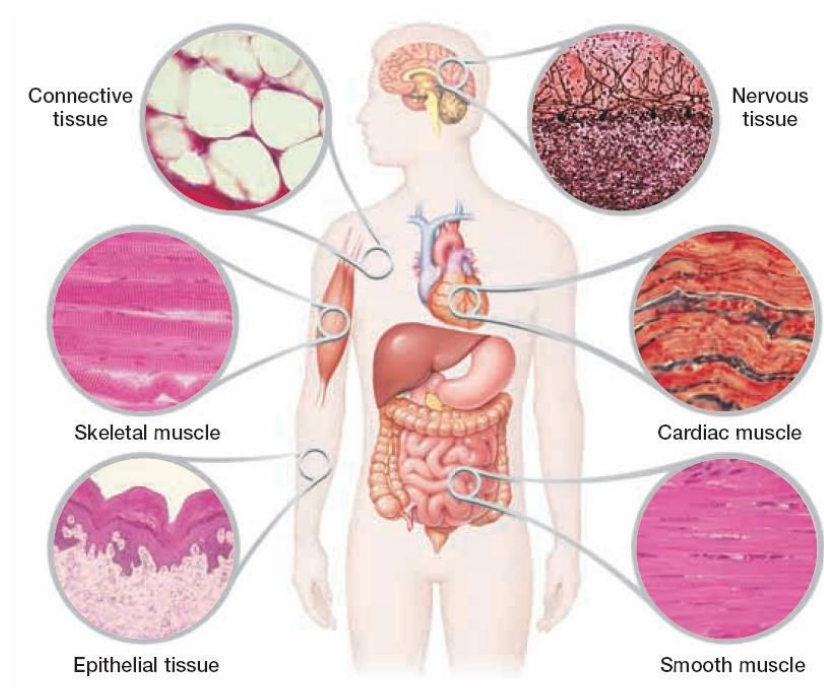
Organs

Organs- a group of two or more types of tissues that perform a specific task



Tissue

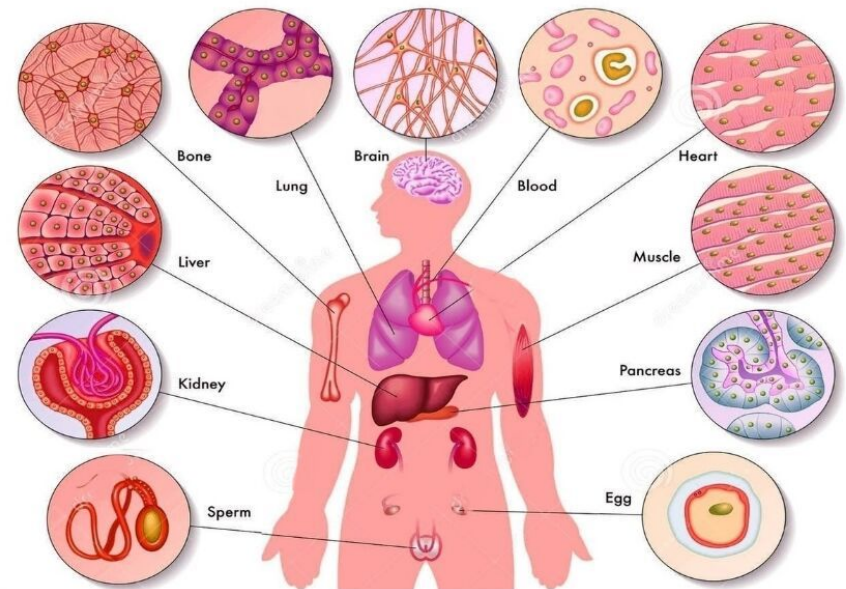
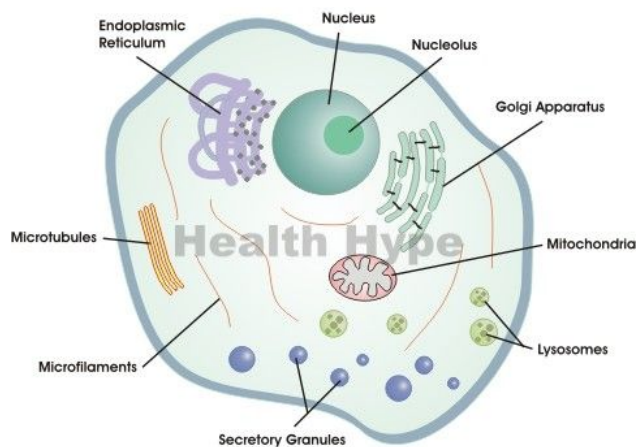
Tissue- a group of cells with similar structure and function



Cells

Cells- the basic unit of structure and function of living things

All living things are made up of one or more cells.



Dice Vocabulary!

Use the terms: Hierarchy, organisms, body systems, organs, tissues, Cells.

Write a word on each line. Do not let your partner see the order of you words.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____



Instructions

Roll the Die and Play!

- 1 = Make a connection to another word
- 2 = Give your definition of the word
- 3 = Draw the word
- 4 = Act it out
- 5 = Give a synonym or antonym
- 6 = Use the Word in a sentence

Summary

- From most complex to least:

Organisms → body systems → organs → Tissues → Cells

- Tissues are made up of similar cells working together to carry out a function
- Several tissues make up an organ
- Organs work together as a system to perform complex functions necessary for life

Homework

- Make sure you hand in your note!
- No homework