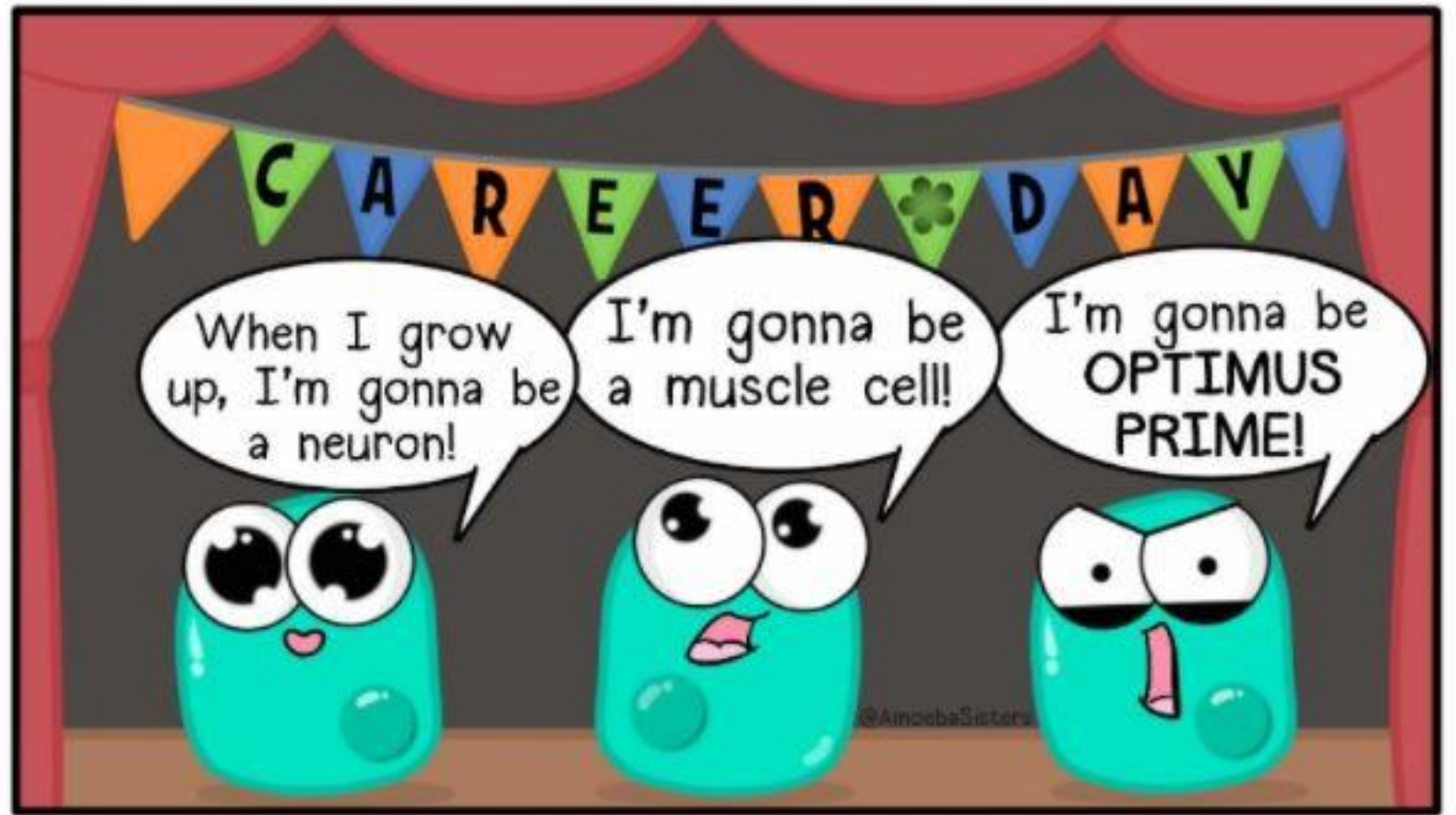


There are a lot of cell types out there!



Stem cells on career day.

How can you
organize this
person into
smaller
sections?



Remember the Hierarchy?

Cells

Made up of organelles and the smallest unit of structure and function in organisms.

Tissue

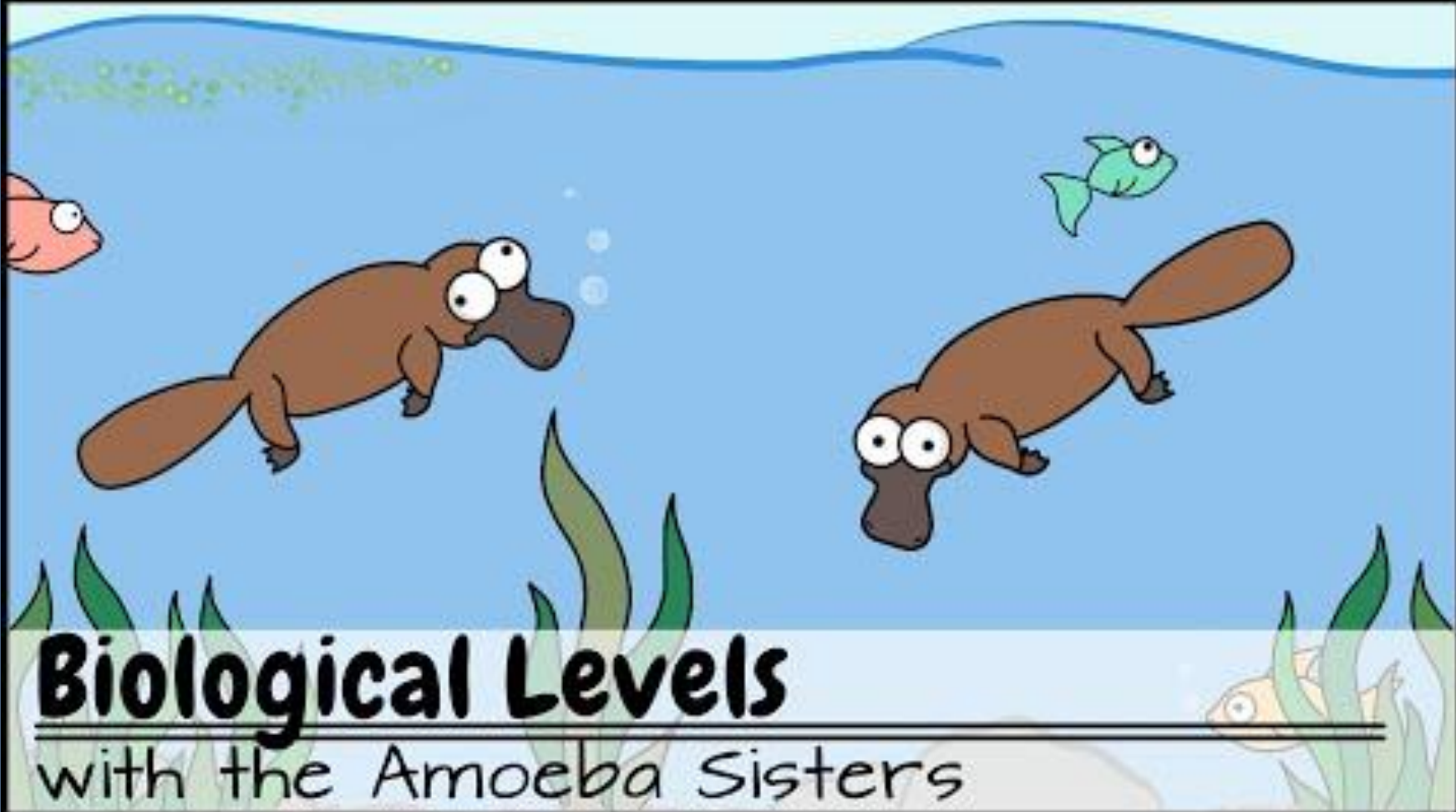
Made up of cells

Organs

Made up of tissue

Organ Systems

Made up of organs



Biological Levels

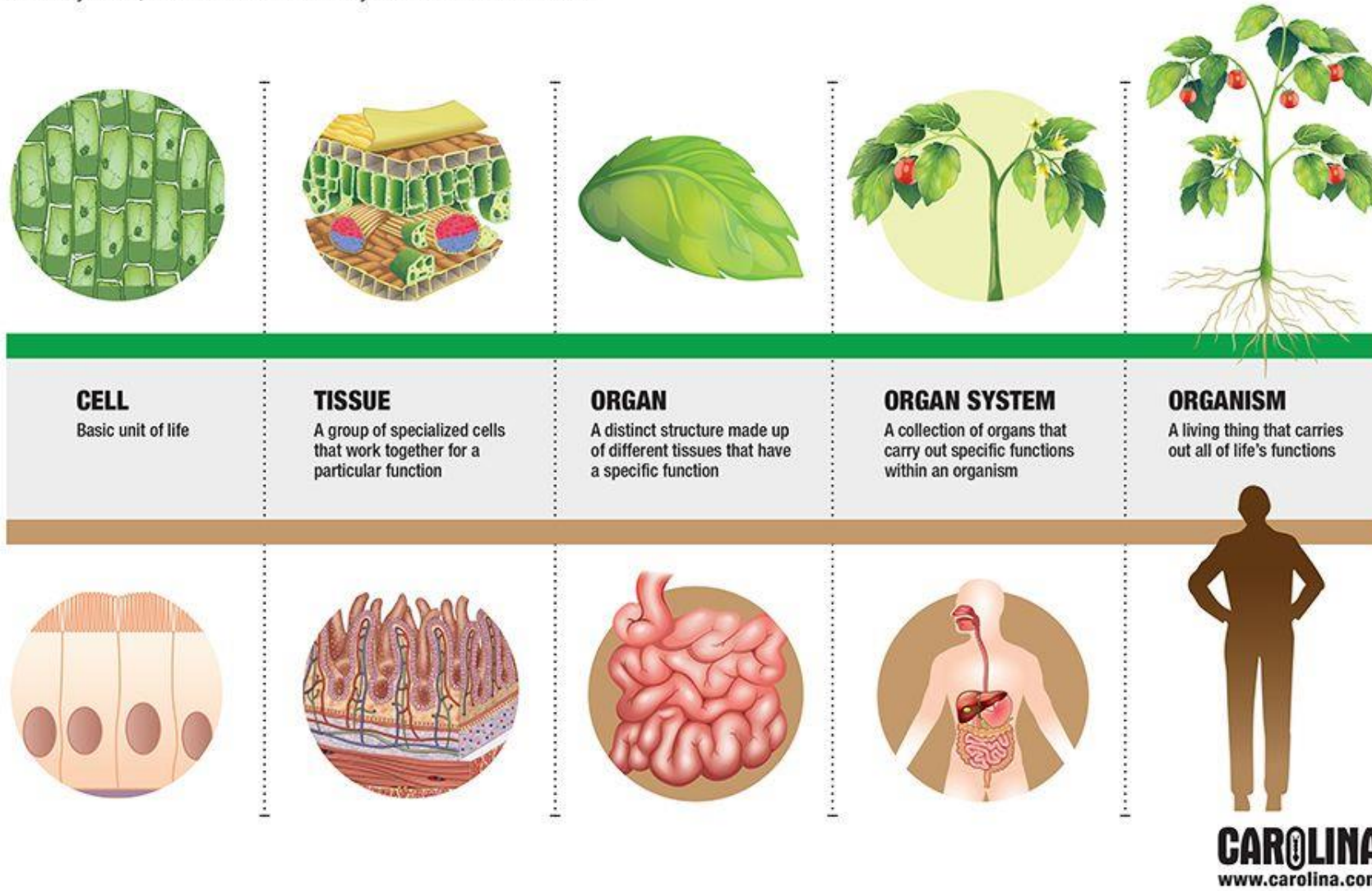
with the Amoeba Sisters

What would be its hierarchy?



The Hierarchy of Life

A cell is the smallest functional unit that can perform all of life's tasks. A living organism may consist of a single cell or a huge number of cells. In multicellular organisms, cells are specialized and depend on other cells to maintain life. The specialization and interdependence of cells contribute to a characteristic hierarchy of life, with each level defined by its structure and function.

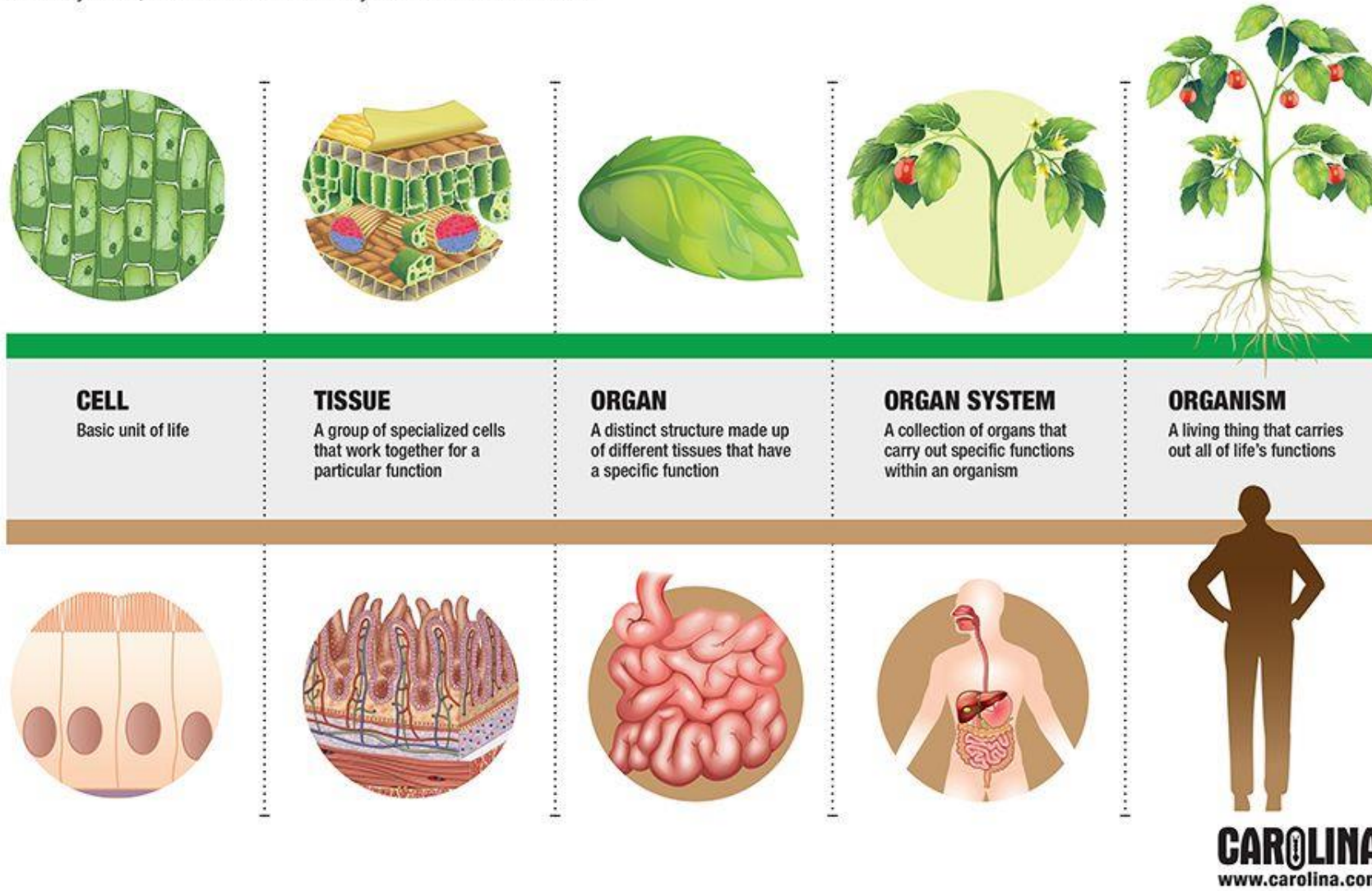


What would be its
hierarchy?

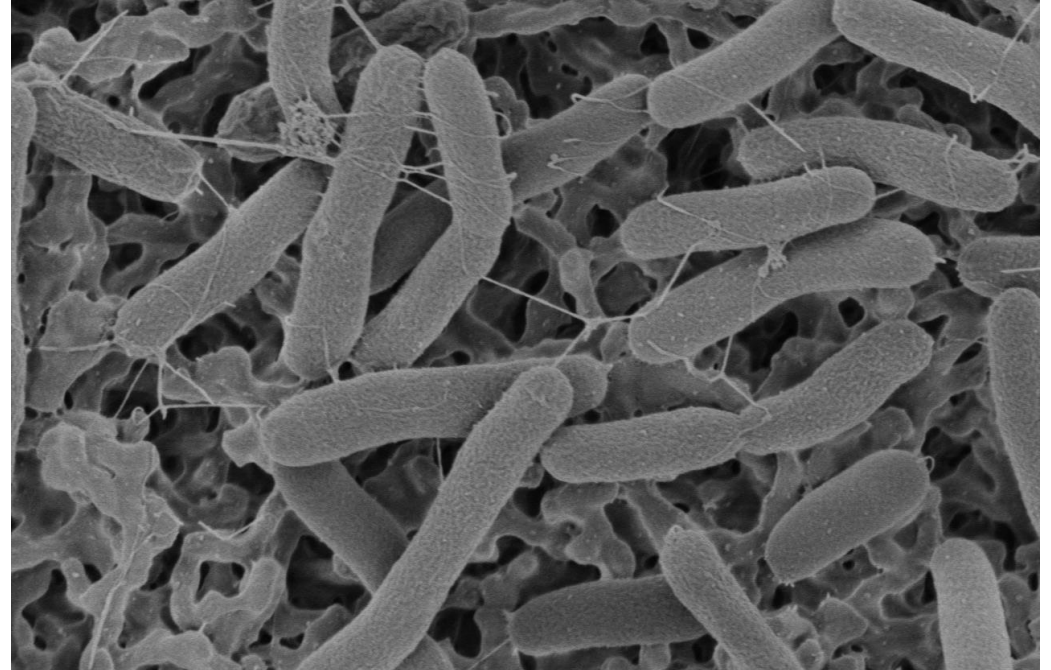


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What would be its hierarchy?



Hierarchy in Organisms

1

Organelles

Endoplasmic Reticulum

2

Cells

Blood cell

3

Tissues

Cardiac tissue

4

Organs

Liver

5

Organ Systems

Skeletal system

6

Organism












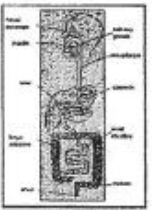








You!

DIVISION OF LABOR












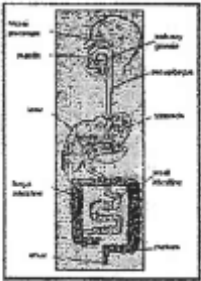








Background Information: There are many different types of cells in the human body. None of these cells function on their own well. These cells are part of the larger organism that is called – human. Cells work together to form tissues. There are four main types of tissues: muscle tissue, nervous tissue, connective tissue and epithelial tissue. These tissues work together to form organs. Each organ belongs to an organ system. Organ systems are composed of two or more different organs that work together to provide a common function. There are eleven major organ systems in your body. The organ systems then work together to make the organism. These levels of organization from the smallest cell to the biggest organism represent a division of labor in your body. The work is divided up among the different parts so everything can get done.

Levels of Organization: cell > tissue > organ > organ system > organism

Directions: Label each of the following pictures or words with the appropriate level of organization.

1. 	2. 	3. 	4. 	5. 
6. 	7. 	8. 	9. 	10. 
11. 	12. 	13. 	14. 	15. 
16. 	17. 	18. 	19. 	20. 

Directions: Label each of the following pictures or words with the appropriate level of organization.

1. 	2. 	3. 	4. 	5. 
6. 	7. 	8. 	9. 	10. 
11. 	12. 	13. 	14. 	15. 
16. 	17. 	18. 	19. 	20. 

Cell

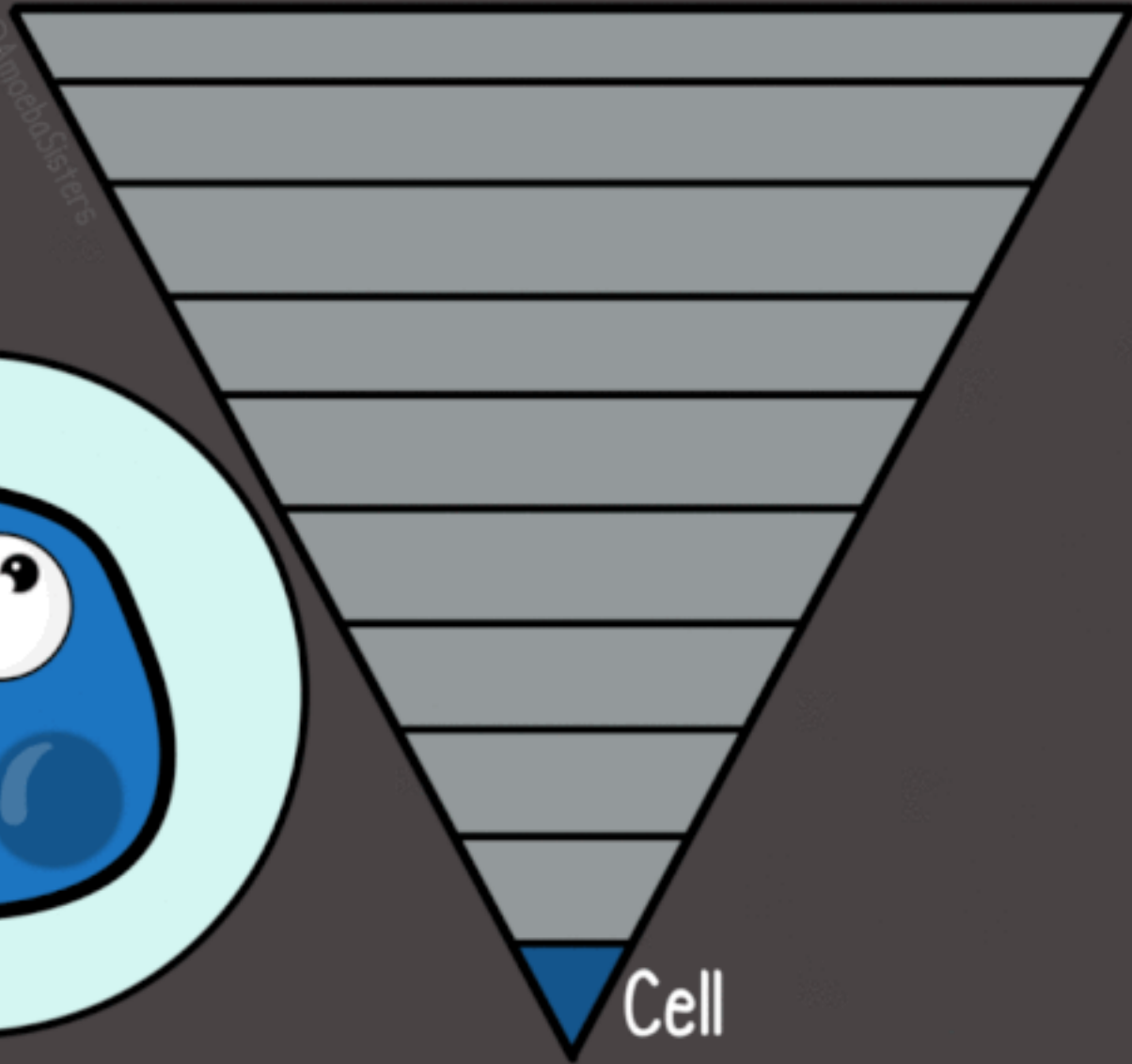
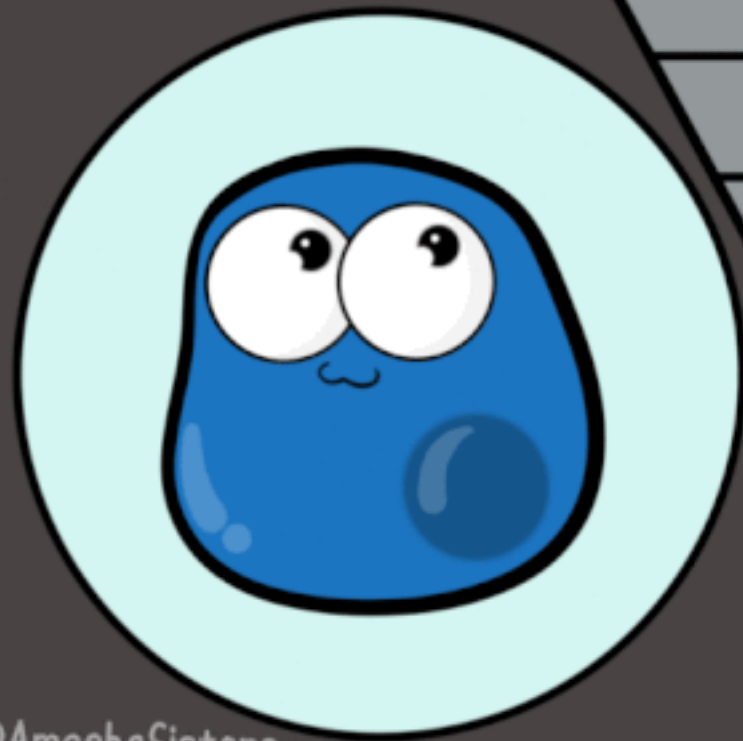
Tissue

Organ

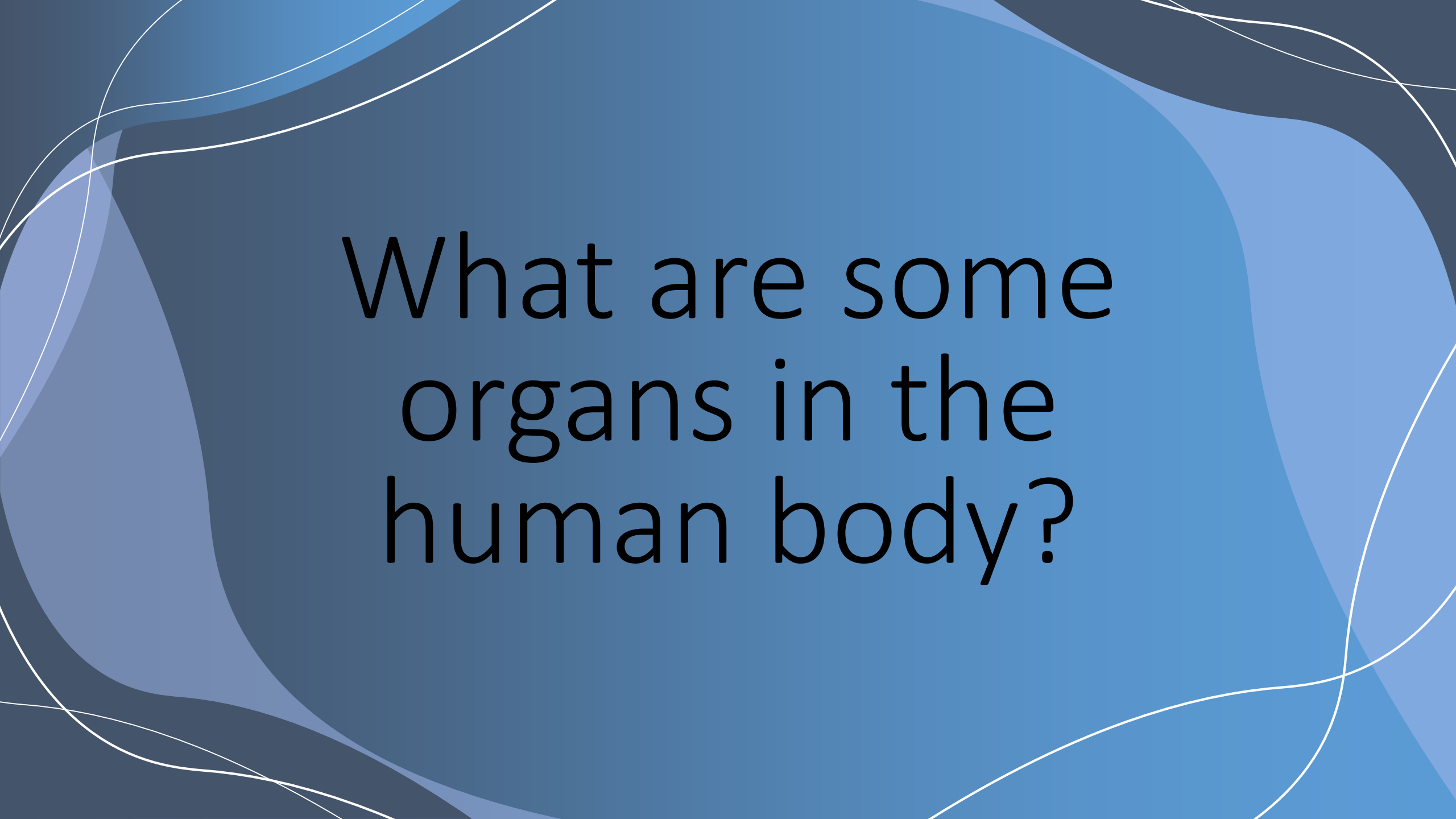
Organ System

Organism

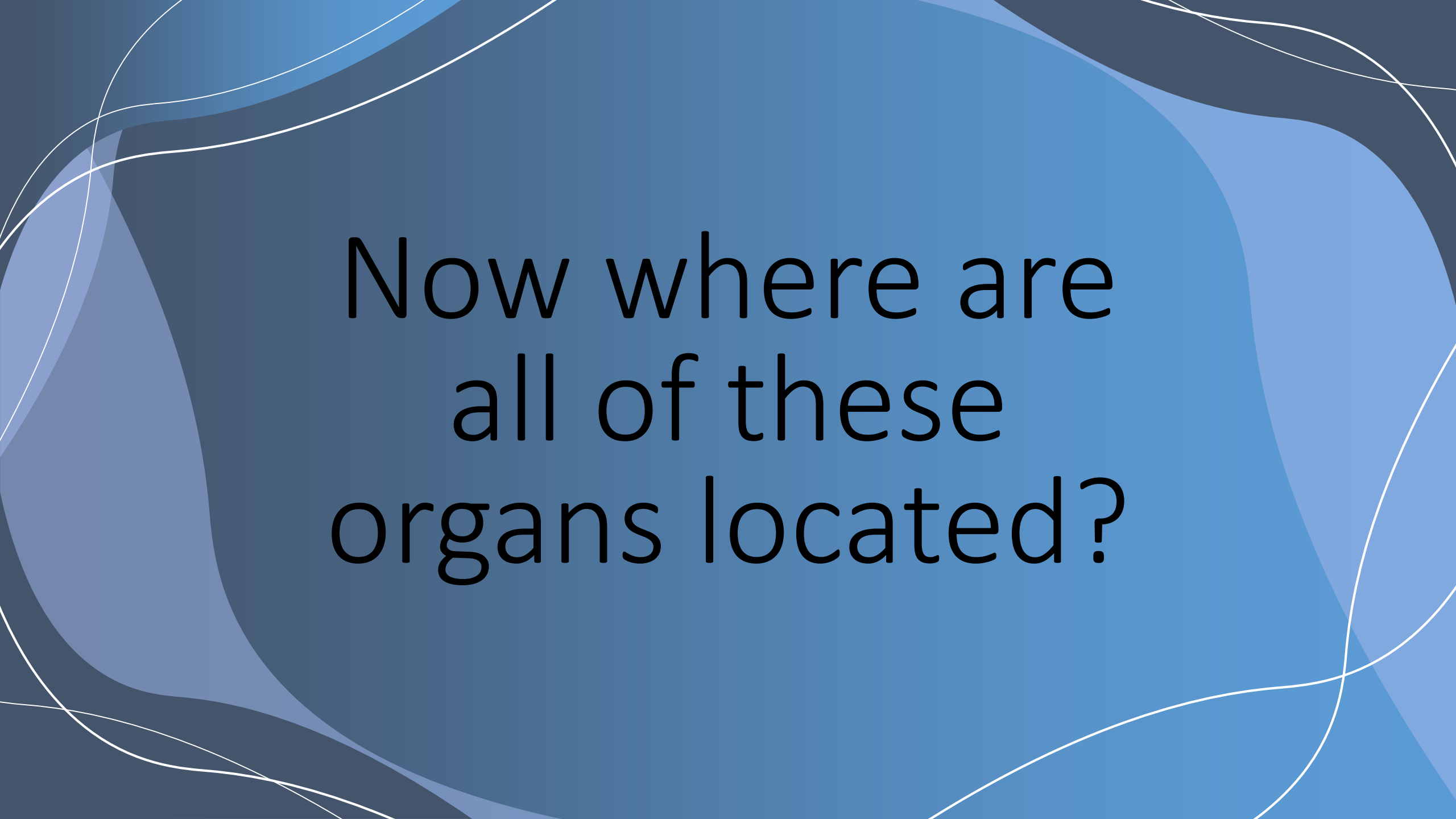
Biological Levels of Organization



Cell

The background is a dark blue gradient with several overlapping, lighter blue, wavy shapes. Thin white lines curve across the scene, creating a sense of movement and depth.

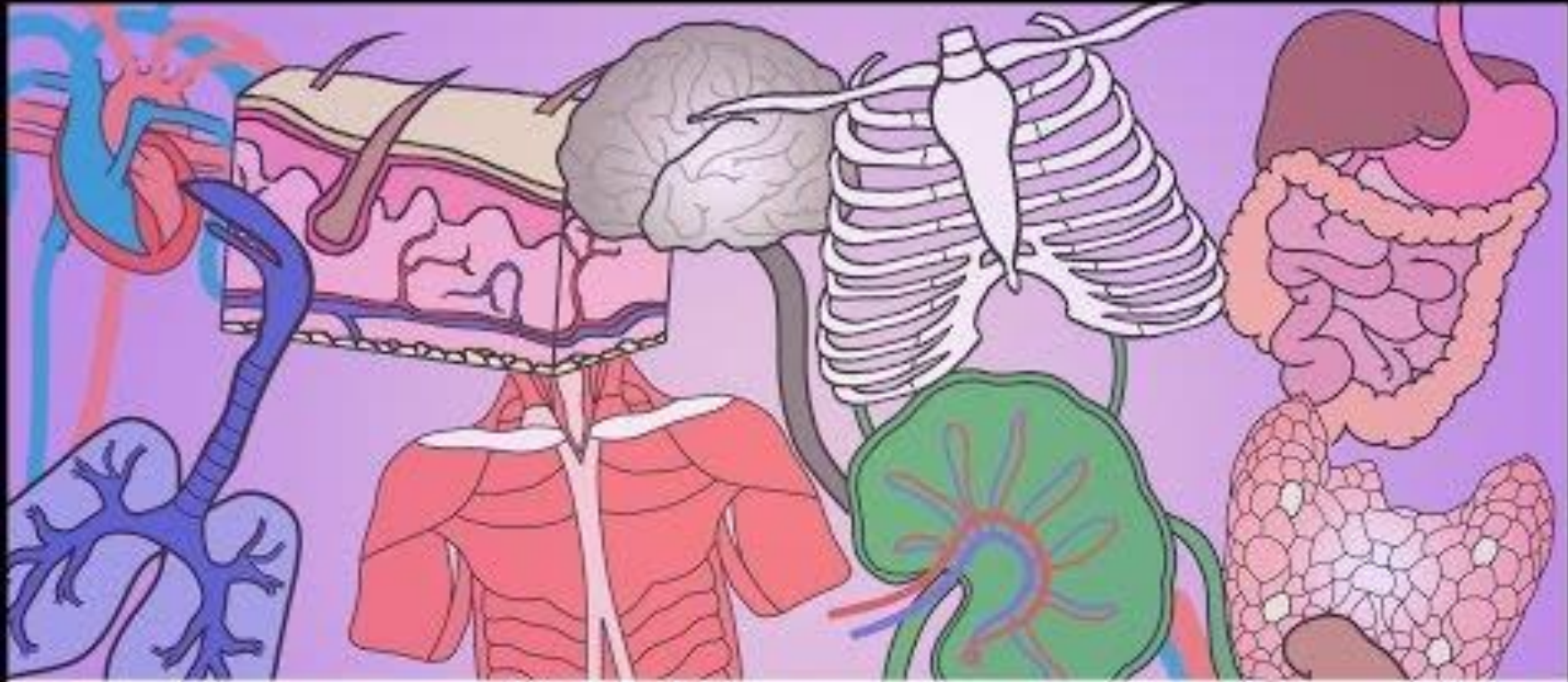
What are some
organs in the
human body?

The background is a dark blue gradient with several overlapping, lighter blue, wavy shapes. Thin white lines curve across the scene, creating a sense of movement and depth.

Now where are
all of these
organs located?

Test Yourself!

- Click on the [link](#) in the chat.
- Once there, place the organs in the correct location in the human body.
- Finished? Try it again to either raise your score or to lower your time!



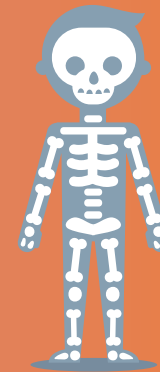
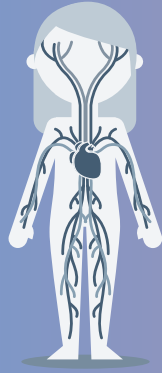
Human Body Systems

with the Amoeba Sisters

Human Body Notes Chart

- Use throughout our unit
- Organize all of the different systems
- Structure (organs) and Function (what they do)
- Make sure to keep up on this!

Human Body Systems



Two main parts

Structure

What are the parts (organs) for each of the systems?

Function

What does each part of the system do (its job)?