

Main Topic: Levels of Organization in Cells

Learning Objectives/Outcomes: recognize levels of organization in plants and animals, including cells, tissues, organs, organ systems, and organisms.

Topic 1: Cell Specialization	Topic 2: Tissues	Topic 3: Organs	Topic 4: Organ Systems	Topic 5: Organisms
<p><u>Ideas</u></p> <p>What dictates cell structure?</p> <p>What is the function of a neuron?</p> <p>Explain how two cells can have the same DNA but have a different structure and function.</p>	<p><u>Ideas</u></p> <p>What forms a tissue?</p> <p>List 4 types of tissue.</p> <p>Describe the function of each type of tissue.</p>	<p><u>Ideas</u></p> <p>What forms an organ?</p> <p>Give an example of an organ and its function.</p>	<p><u>Ideas</u></p> <p>What forms an organ system?</p> <p>What are the six human organ systems?</p> <p>What is the function of each organ system?</p>	<p><u>Ideas</u></p> <p>What forms an organism?</p> <p>Define organism.</p>

| <u>Key Vocabulary</u> |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Cell | Tissue | organ | organ system | organism |
| Neuron | nervous tissue | | skeletal system | |
| | muscle tissue | | muscular system | |
| | connective tissue | | digestive system | |
| | epithelial tissue | | respiratory system | |
| | | | nervous system | |
| | | | circulatory system | |

<u>Pictures</u>	<u>Pictures</u>	<u>Pictures</u>	<u>Pictures</u>	<u>Pictures</u>
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