

Cells and Systems Summary & Review

<p>What do living organisms have in common? What variations do we find in their structure and function? How do body systems work together to keep organisms healthy?</p>	
<p>Key Concepts Science Focus 8 ((Unit At A Glance p. 168))</p>	<p style="text-align: center;"><u>Guiding Questions and Activities to Help you Study</u></p>
<p>Topic 1 Living organisms are made from cells Structures and Functions Levels</p>	<ul style="list-style-type: none"> - What are the basic functions of all living things, and what are the structures that enable organisms to perform those functions? (p. 98) - How are living organisms organized. (p. 100-101)
<p>Topic 2 The Microscope Calculating Field of View</p>	<ul style="list-style-type: none"> - Describe the changes that took place in the development of the microscope over time. - What are the main parts of the microscope? (p.107) - Describe how to calculate the field of view. (p.111)
<p>Topic 3 Structures of Cells (Plant and Animal)</p>	<ul style="list-style-type: none"> - Identify the main component parts of both the plant cell and the animal cell.
<p>Topic 4 Fluids in Cells Diffusion Osmosis Transpiration</p>	<ul style="list-style-type: none"> - What is a selectively permeable membrane? (p.128) - Describe Diffusion. (p.129) - Describe Osmosis. (p.130) - What is Transpiration? (p.135) - Explain how a plant transports fluids, from the roots to the leaves.
<p>Topic 5 Specialized Cells Organization of Cells</p>	<ul style="list-style-type: none"> - Identify and describe the differences between different specialized cells. (p.138) - What are the primary advantages of multi-cellular organisms (compared to unicellular organisms)? - Describe the levels of cellular organization in a multi-cellular organism. (p.140)
<p>Topic 6 Respiratory System Circulatory System Digestive System Excretory System Nervous System</p>	<ul style="list-style-type: none"> - Can you identify the important parts of each of the body systems? - Describe how each body system has a particular function. (p.153) - How do the different body systems work together? Give specific examples.
<p>Topic 7 Disorders Healthy Life Choices and Styles</p>	<ul style="list-style-type: none"> - How can you keep each of your body systems healthy? - What disorders are common in each of the body systems? - What life style choices should be made if we want healthy bodies?
<p style="color: #800000;">Design a Concept Map linking the ideas introduced and reinforced in this Unit on Cells and Systems</p>	
<p>Try some of the <u>Practice Quizzes</u> to see how much you have recalled from this Unit</p>	