



		<ul style="list-style-type: none"> <li>- To describe the structure and function of the alimentary canal and associated glands in digestion and transporting nutrients</li> <li>- To describe the mechanical breakdown of food including teeth, peristalsis and the stomach</li> <li>- To describe the chemical breakdown of food including bile salts and enzymes</li> <li>- To describe the structure and function of the small and large intestines</li> <li>- To explain the benefits of dietary fibers</li> <li>- To describe two functions of symbiotic bacteria in the human digestive tract</li> <li>- To explain the importance of balanced diet</li> </ul>
	<p>4- Human Breathing</p>	<p><u>4- Human Breathing</u></p> <ul style="list-style-type: none"> <li>- To describe the structure and function of the breathing system in humans</li> <li>- To describe the features of alveoli and capillaries</li> <li>- To describe the mechanism of the human breathing system in gas exchange</li> <li>- To describe asthma and bronchitis</li> <li>- To explain the importance of carbon dioxide as a controlling factor in the breathing system</li> <li>- To examine the effect of exercise on breathing rate</li> </ul>
	<p>5- The Heart and Blood Vessels</p>	<p><u>5- The Heart and Blood Vessels</u></p> <ul style="list-style-type: none"> <li>- To describe the structure and organization of tissues in the heart and vessels</li> <li>- To explain the role of muscles and valves</li> <li>- To describe the human circulatory system as a two-circuit system</li> <li>- To draw the structure of the heart and the main blood circulation pathways</li> <li>- To describe the supply of blood to the heart</li> <li>- To understand how the heartbeat is controlled</li> <li>- To be aware of the heart tissue and of the SA and AV nodes</li> </ul>

<p>2- The Cell</p>	<p><u>The Cell</u> 1- Genetic Crosses and Heredity</p>	<p>- To understand the effects of smoking, diet and exercise on the circulatory system</p> <p><u>The Cell</u> <u>1- Genetic Crosses and Heredity</u></p> <ul style="list-style-type: none"> <li>- To define “gamete”, describe how gametes are formed and understand their role</li> <li>- To define: fertilization, allele, homozygous,, heterozygous, genotype, phenotype, dominance and recessive</li> <li>- To study inheritance to the first filial (F1) generation of a single unlinked trait in a cross</li> <li>- To study sex determination</li> <li>- To describe the work of Gregor Mendel</li> <li>- To explain the law of segregation</li> <li>- To use the Punnet square technique to study inheritance</li> </ul>
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