

# Living Things and the Processes of Life

	Level D	Presentation	Level E	Presentation	Level F	Presentation
Variety and Characteristic Features	<ul style="list-style-type: none"> <li>• give the main distinguishing features of the major groups of flowering and non-flowering plants</li> </ul>		<ul style="list-style-type: none"> <li>• give the main distinguishing features of micro-organisms</li> </ul>	Micro-organisms	<ul style="list-style-type: none"> <li>• describe the harmful and beneficial effect of micro-organisms</li> </ul>	Micro-organisms
			<ul style="list-style-type: none"> <li>• create and use keys to identify living things</li> </ul>	Variation, Inheritance and Classification	<ul style="list-style-type: none"> <li>• outline the principles of modern biotechnology and explain its significance now and for the future</li> </ul>	Micro-organisms
			<ul style="list-style-type: none"> <li>• give examples of inherited and environmental causes of variation</li> </ul>	Variation, Inheritance and Classification	<ul style="list-style-type: none"> <li>• explain the role of chromosomes and genes in inheritance</li> </ul>	Variation, Inheritance and Classification
The Processes of Life	<ul style="list-style-type: none"> <li>• describe the role of lungs in breathing</li> </ul>	Respiration and Breathing	<ul style="list-style-type: none"> <li>• identify and give the functions of the main structures found in plant and animal cells</li> </ul>	Animal and Plant Cells	<ul style="list-style-type: none"> <li>• describe how different cells are adapted to their functions</li> </ul>	Animal and Plant Cells
	<ul style="list-style-type: none"> <li>• outline the process of digestion</li> </ul>	Enzymes and Digestion			<ul style="list-style-type: none"> <li>• describe the process of respiration</li> </ul>	Respiration and Breathing
	<ul style="list-style-type: none"> <li>• describe the main changes that occur during puberty</li> </ul>	Human Reproduction	<ul style="list-style-type: none"> <li>• identify, name and give the functions of the main organs of the human reproductive system</li> </ul>	Human Reproduction	<ul style="list-style-type: none"> <li>• describe the function of enzymes in the control of cellular reactions</li> </ul>	
	<ul style="list-style-type: none"> <li>• describe the main stages in human reproduction</li> </ul>	Human Reproduction				
	<ul style="list-style-type: none"> <li>• describe the main stages in flowering-plant reproduction</li> </ul>		<ul style="list-style-type: none"> <li>• identify the raw materials, conditions and products of photosynthesis</li> </ul>	Plants and Photosynthesis	<ul style="list-style-type: none"> <li>• describe the effect of pH and temperature on enzyme activity</li> </ul>	Enzymes and Digestion

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Interaction of Living Things with Their Environment	<ul style="list-style-type: none"> <li>describe examples of human impact on the environment that have brought about beneficial changes, and examples that have detrimental effects</li> </ul>	Feeding Relationships	<ul style="list-style-type: none"> <li>construct and interpret simple food webs and make predictions of the consequences of change</li> </ul>	Feeding Relationships	<ul style="list-style-type: none"> <li>construct and explain food pyramids</li> </ul>	Feeding Relationships
	<ul style="list-style-type: none"> <li>give examples of how plants and animals are suited to their environment</li> </ul>	Adaption	<ul style="list-style-type: none"> <li>describe examples of competition between plants and between animals</li> </ul>	Competition	<ul style="list-style-type: none"> <li>give a simple description of the theory of evolution and explain how species survive or become extinct</li> </ul>	Evolution Adaptation Competition
	<ul style="list-style-type: none"> <li>explain how responses to changes in the environment might increase the chances of survival</li> </ul>	Adaptation Competition Evolution	<ul style="list-style-type: none"> <li>give examples of physical factors that affect the distribution of living things</li> </ul>		<ul style="list-style-type: none"> <li>describe what is meant by an abiotic factor and give some examples of how these can be measured</li> </ul>	