

Lesson	Know	Apply	Extend
8.2.1 Observing cells	I can state what a cell is. <input type="checkbox"/>	I can describe what a cell is. <input type="checkbox"/>	I can explain what all living organisms are made of. <input type="checkbox"/>
	I can describe how to use a microscope to observe a cell. <input type="checkbox"/>	I can explain how to use a microscope to observe a cell. <input type="checkbox"/>	I can explain what each part of the microscope does and how it is used. <input type="checkbox"/>
	I can use a microscope to observe a prepared slide, with assistance. <input type="checkbox"/>	I can use a microscope to observe a prepared slide and state the magnification. <input type="checkbox"/>	I can use a microscope to observe a prepared slide, calculating a range of magnifications. <input type="checkbox"/>
8.2.2 Plant an animal cells	I can identify one similarity and one difference between a plant and an animal cell. <input type="checkbox"/>	I can describe the similarities and differences between plant and animal cells. <input type="checkbox"/>	I can explain the similarities and differences between plant and animal cells. <input type="checkbox"/>
	I can match some components of a cell to their functions. <input type="checkbox"/>	I can describe the functions of the components of a cell. <input type="checkbox"/>	I can explain the functions of the components of a cell by linking them to life processes. <input type="checkbox"/>
	With support, I can prepare and observe a microscope slide safely. <input type="checkbox"/>	I can prepare and observe cells on a microscope slide safely. <input type="checkbox"/>	I can prepare and observe cells on a microscope slide safely, using scale and magnification. <input type="checkbox"/>
8.2.3 Specialised cells	I can name some specialised animal cells. <input type="checkbox"/>	I can describe examples of specialised animal cells. <input type="checkbox"/>	I can describe examples of specialised animal cells, linking structure to function. <input type="checkbox"/>
	I can name some specialised plant cells. <input type="checkbox"/>	I can describe examples of specialised plant cells. <input type="checkbox"/>	I can describe examples of specialised plant cells, linking structure to function. <input type="checkbox"/>
	I can state structural adaptations of plant and animal cells. <input type="checkbox"/>	I can describe structural adaptations of plant and animal cells. <input type="checkbox"/>	I can compare and contrast structural adaptations of plant and animal cells. <input type="checkbox"/>
8.2.4 Movement of substances	I can identify substances that move into or out of cells. <input type="checkbox"/>	I can name some substances that move into and out of cells. <input type="checkbox"/>	I can explain which substances move into and out of cells. <input type="checkbox"/>

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	I can state what diffusion is. <input type="checkbox"/>	I can describe the process of diffusion. <input type="checkbox"/>	I can explain the process of diffusion. <input type="checkbox"/>
	I can make sets of observations or measurements for diffusion of coloured gel, identifying the ranges and intervals used. <input type="checkbox"/>	I can collect data for diffusion of coloured gel, choosing appropriate ranges, numbers, and values for measurements and observation. <input type="checkbox"/>	I can choose and justify data collection methods for investigating the diffusion of coloured gel that minimise error, and produce precise and reliable data. <input type="checkbox"/>
8.2.5 Uni-cellular organisms	I can name an example of a uni-cellular organism. <input type="checkbox"/>	I can describe what a uni-cellular organism is. <input type="checkbox"/>	I can explain what a uni-cellular organism is and give detailed examples. <input type="checkbox"/>
	I can identify some structures in an amoeba. <input type="checkbox"/>	I can describe the structure of an amoeba. <input type="checkbox"/>	I can describe the structure and function of an amoeba. <input type="checkbox"/>
	I can identify some structures in a euglena. <input type="checkbox"/>	I can describe the structure of a euglena. <input type="checkbox"/>	I can describe the structure and function of a euglena. <input type="checkbox"/>
	I can select the appropriate apparatus to observe an amoeba and a euglena cell. <input type="checkbox"/>	I can select the appropriate magnification to observe an amoeba and a euglena cell through a microscope. <input type="checkbox"/>	I can give justifications for the choice of magnification when observing an amoeba and a euglena cell through a microscope. <input type="checkbox"/>