

Lesson	Improving	Secure	Advanced and Extending
B3 1.1 Genetics	I can state what is meant by an allele. <input type="checkbox"/>	I can describe the difference between dominant and recessive alleles. <input type="checkbox"/>	I can explain how dominant and recessive alleles can be expressed as external features. <input type="checkbox"/>
	I can state that genetics allows us to track alleles from one generation to the next. <input type="checkbox"/>	I can use a Punnett square to show what happens during a genetic cross. <input type="checkbox"/>	I can explain how to use a Punnett square to predict the outcome of a genetic cross. <input type="checkbox"/>
B3 1.2 Inherited disorders	I can name a genetic disorder. <input type="checkbox"/>	I can describe what is meant by a genetically inherited disorder. <input type="checkbox"/>	I can explain how a genetic disorder can be inherited. <input type="checkbox"/>
	I can state that the chance of inheriting a genetic disorder can be calculated. <input type="checkbox"/>	I can calculate the probability of a person suffering from an inherited disease. <input type="checkbox"/>	I can predict possible alleles present in the parents given a child with a genetically inherited disorder. <input type="checkbox"/>
B3 1.3 Selective breeding	I can state what is meant by selective breeding. <input type="checkbox"/>	I can describe the process of selective breeding. <input type="checkbox"/>	I can explain how the process of selective breeding is carried out. <input type="checkbox"/>
	I can state one advantage and one disadvantage of selective breeding. <input type="checkbox"/>	I can describe some advantages and disadvantages of selective breeding. <input type="checkbox"/>	I can evaluate the advantages and disadvantages of selective breeding. <input type="checkbox"/>
B3 1.4 Genetic engineering	I can state what is meant by genetic engineering. <input type="checkbox"/>	I can state how a product is produced using genetic engineering. <input type="checkbox"/>	I can describe how a product is produced using genetic engineering. <input type="checkbox"/>
	I can name a product produced by genetically engineered organisms. <input type="checkbox"/>	I can describe some advantages of producing products through genetic engineering. <input type="checkbox"/>	I can analyse advantages and disadvantages of producing products through genetic engineering. <input type="checkbox"/>

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B3 1.5 Cloning	I can give one example of cloning. <input type="checkbox"/>	I can describe what is meant by a clone. <input type="checkbox"/>	I can explain in terms of genetics the differences between sexual and asexual reproduction. <input type="checkbox"/>
	I can state one advantage and one disadvantage of cloning an organism. <input type="checkbox"/>	I can describe some advantages and disadvantages of cloning. <input type="checkbox"/>	I can compare the advantages and disadvantages of cloning. <input type="checkbox"/>
B3 1.6 Biotechnology 1	I can state what is meant by fermentation. <input type="checkbox"/>	I can write the word equation for fermentation. <input type="checkbox"/>	I can explain how the process of fermentation works in relation to the word equation. <input type="checkbox"/>
	I can name the organism used to make bread, beer, and wine. <input type="checkbox"/>	I can describe how bread, beer, and wine are made. <input type="checkbox"/>	I can explain why temperature is important in the making of bread, beer, and wine. <input type="checkbox"/>
B3 1.7 Biotechnology 2	I can name the type of microorganism responsible in the production of cheese and yoghurt. <input type="checkbox"/>	I can describe the role of bacteria in fermentation. <input type="checkbox"/>	I can explain the role of lactic acid in cheese and yoghurt production. <input type="checkbox"/>
	I can name the main substance that cheese and yoghurt is made from. <input type="checkbox"/>	I can describe how cheese and yoghurt are made. <input type="checkbox"/>	I can compare the similarities and differences between cheese and yoghurt production. <input type="checkbox"/>
B3 1.8 Enzymes in industry	I can name a commercial product produced by enzymes. <input type="checkbox"/>	I can describe some commercial uses of enzymes. <input type="checkbox"/>	I can explain the advantages of the commercial use of enzymes. <input type="checkbox"/>
	I can state the effect of temperature on enzyme action. <input type="checkbox"/>	I can describe what happens an enzyme is denatured. <input type="checkbox"/>	I can explain what happens to an enzyme when it denatures, and why this slows the speed of reaction. <input type="checkbox"/>