Edexcel iGCSE Biology Checklist

Section F22: Genetic Modification

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| ***I can*** | ☺ | 😐 | ☹ |
| describe the use of restriction enzymes to cut DNA at specific sites and ligase enzymes to join pieces of DNA together |  |  |  |
| describe how plasmids and viruses can act as vectors, which take up pieces of DNA, then insert this recombinant DNA into other cells |  |  |  |
| understand that large amounts of human insulin can be manufactured from genetically modified bacteria that are grown in a fermenter |  |  |  |
| evaluate the potential for using genetically modified plants to improve food production (illustrated by plants with improved resistance to pests) |  |  |  |
| understand that the term ‘transgenic’ means the transfer of genetic material from one species to a different species. |  |  |  |
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