Edexcel iGCSE Biology Checklist

Section E19: Natural Selection and Evolution

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| ***I can***  | ☺ | 😐 | ☹ |
| understand that mutation is a rare, random change in genetic material that can be inherited |  |  |  |
| describe the process of evolution by means of natural selection  |  |  |  |
| understand that many mutations are harmful but some are neutral and a few are beneficial |  |  |  |
| understand that resistance to antibiotics can increase in bacterial populations, and appreciate how such an increase can lead to infections being difficult to control |  |  |  |
| understand that the incidence of mutations can be increased by exposure to ionising radiation (for example gamma rays, X-rays and ultraviolet rays) and some chemical mutagens (for example chemicals in tobacco). |  |  |  |
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