Edexcel iGCSE Biology Checklist

Section E17: Cell Division

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| ***I can***  | ☺ | 😐 | ☹ |
| understand that division of a diploid cell by mitosis produces two cells which contain identical sets of chromosomes |  |  |  |
| understand that mitosis occurs during growth, repair, cloning and asexual reproduction |  |  |  |
| understand that division of a cell by meiosis produces four cells, each with half the number of chromosomes, and that this results in the formation of genetically different haploid gametes  |  |  |  |
| understand that random fertilisation produces genetic variation of offspring  |  |  |  |
| know that in human cells the diploid number of chromosomes is 46 and the haploid number is 23 |  |  |  |
| understand that variation within a species can be genetic, environmental, or a combination of both |  |  |  |
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