11 Human Biology **Practice** Cell Division Test

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Mark: /36

1. Explain why cells need to reproduce/divide. (1 mark)

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2. List two things that occur during interphase. (2 marks)

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3. Define ‘mitosis’. (2 marks)

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4. Describe what happens during cytokinesis. (1 mark)

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5. Complete the table below. (10 marks)

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| --- | --- | --- |
|  | Mitosis | Meiosis |
| The type of cells this occurs in |  |  |
| The number of daughter cells that are produced |  |  |
| The number of divisions |  |  |
| Are the daughter cells genetically identical to the parent cells? |  |  |
| The number of chromosomes in each produced cell |  |  |

6. What is the name given to a fertilised egg? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1 mark)

7. Are gametes haploid or diploid? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1 mark)

8. What is the female gamete? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1 mark)

9. What is the male gamete? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1 mark)

10. Fill in the table below. (12 marks)

|  |  |  |
| --- | --- | --- |
| Phase of mitosis | **Describe** what is happening | Diagram |
|  |  |  |
|  |  |  |
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11. List the stages that occur in cell division in order. (4 marks)

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