

Subject: _____

| Question | | Question | |
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| 1 | What is the name for cells involved in reproduction that carry half the genetic information? | 21 | Do predators typically have side-facing or forward-facing eyes? |
| 2 | Name the process where the nuclei of gametes fuse together. | 22 | What adaptation do prey animals often have to give them a wide field of view? |
| 3 | What is the name of the cell formed immediately after fertilisation? | 23 | What is the term for a ratio that is small in animals living in cold environments? |
| 4 | Which type of reproduction involves two parents and produces genetic variation? | 24 | What do animals in cold environments have to provide insulation? |
| 5 | Which type of reproduction involves only one parent and produces clones? | 25 | What is the term for being active at night to avoid heat? |
| 6 | What is a small section of DNA that controls a specific trait called? | 26 | What process involves humans choosing parents with desirable traits to mate? |
| 7 | What term describes different forms of the same gene? | 27 | Name a desirable characteristic humans might breed for in cows. |
| 8 | What diagram is used to show the probability of inheriting a trait? | 28 | What is the process where organisms best suited to their environment survive and breed? |
| 9 | How many copies of a recessive allele are needed for the trait to be expressed? | 29 | What happens to the frequency of "survival" traits in a population over many generations? |
| 10 | How is a recessive allele represented in a Punnett square? | 30 | What is the scientific term for genetically identical offspring? |
| 11 | How many copies of a dominant allele are needed for the trait to be expressed? | 31 | What symbol is used to show one number is less than another? |
| 12 | How is a dominant allele represented in a Punnett square? | 32 | What symbol represents "much less than"? |
| 13 | What percentage chance does each individual square in a Punnett square represent? | 33 | What symbol represents "much more than"? |
| 14 | What term describes the differences in characteristics within a population? | 34 | What does the symbol ∞ mean? |

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| 15 | What type of variation is caused by genes and can be passed on? | 35 | What is the term for the average of a set of numbers? |
| 16 | What type of variation is caused by the environment and cannot be passed on? | 36 | How do you calculate the mean of a data set? |
| 17 | Is blood group an example of genetic or environmental variation? | 37 | Which significant figures should you ignore at the start of a number? |
| 18 | Are scars an example of genetic or environmental variation? | 38 | On which axis is the independent variable plotted? |
| 19 | Name one characteristic, like height, that is caused by both genes and environment. | 39 | On which axis is the dependent variable plotted? |
| 20 | What are inherited traits that help an organism survive in its habitat called? | 40 | What is the name of a line drawn through the middle of the points? |

| Question | |
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| 41 | What is a result called if it does not fit the pattern? |
| 42 | Should an anomaly be included when drawing a line of best fit? |
| 43 | What tool must be used to draw a linear line of best fit? |
| 44 | How should a non-linear line of best fit be drawn? |
| 45 | What does the gradient of a line represent? |
| 46 | What is the name of the straight line drawn to meet a curve at one specific point? |
| 47 | What is the name for the horizontal part of a graph? |
| 48 | What is the name for the vertical part of a graph? |
| 49 | What is the standard way of representing very large or small numbers? |
| 50 | How many times smaller is a micrometre (μm) than a millimetre (mm)? |

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| 51 | Which is larger: a micrometre or a nanometre? |
| 52 | What mathematical operation is used to move to a smaller unit? |
| 53 | In standard form $A \times 10^n$, what does n represent? |
| 54 | How many millimetres are in one metre? |
| 55 | What is the first significant figure in the number 0.0045? |
| 56 | What is the first significant figure in the number 302? |
| 57 | If a line is steeper, what can be said about its gradient? |
| 58 | What does the symbol $>$ represent? |
| 59 | In a data set of 10, 20, and 30, what is the mean? |
| 60 | What must you do to the zeros between non-zero numbers when counting significant figures? |