

Higher Biology

Artificial Selection Checktest

1. What is the name of the process by which most domesticated animals have been produced from one original wild type organism?
2. Describe the process of hybridisation?
3. State the problem in plant breeding that is overcome by using the technique of somatic fusion.
4. Name the enzyme used to remove the cell wall from the somatic cells in the process of somatic fusion.
5. Name the structure produced when the cell wall is removed.
6. What is the name of the undifferentiated cell mass formed as a result of somatic fusion?
7. State **one** method that can be used to locate a gene required for use in genetic engineering.
8. What is the name of the enzyme used to cut out the required gene from a chromosome?
9. What structure, found in a bacterial cell, will the gene be transplanted into?
10. What enzyme is used to "glue" the gene into place within the bacterial cell?
11. Name one human hormone that is produced by genetic engineering.
12. State two advantages that genetically engineered hormones have in comparison to more traditionally produced hormones.