

Unit B1: You and Your Genes - Revision

1. Put the following in order of size: chromosome, nucleus, gene and cell.
2. Use the words protein, DNA and chromosome to describe a gene?
3. Give two factors that contribute to variation between organisms of the same species.
4. How many chromosomes are in a) a human body cell?
 - b) A sperm cell?
 - c) An egg cell?
 - d) A fertilised egg cell?
5. What is the scientific name for the sex cells?
6. What is a clone?
7. Why are children not identical to their parents?
8. Why are brothers and sisters not identical to each other?
9. What are alleles?
10. Explain what is meant by the term dominant and recessive alleles.
11. What does it mean if someone is said to be a carrier?
12. Describe the symptoms of Huntington's disease.
13. Explain why it is called an inherited condition.
14. Describe the symptoms of Cystic Fibrosis.
15. Describe the possible treatments of this disorder.
16. What is an amniocentesis test and why might a person have this test?
17. What decides the sex of a baby?
18. What chromosomes does a woman have?
19. What chromosomes does a man have?
20. What are the chances of a baby being a girl or boy? Draw a diagram to explain your answer.

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