

GCS Grade 7 Science Unit D Study Guide Cellular Reproduction

1. Who was Gregor Mendel and what did he work on?
2. What is an allele?
3. Place in order from smallest to largest: Gene, DNA, Chromosome, What is a gene? What is a chromosome?
4. What is the difference between a person's phenotype and genotype?
5. Write the stages of Mitosis in order.
6. Describe three differences between meiosis and mitosis.
7. Describe three differences between asexual reproduction and sexual reproduction.
8. Describe the relationship between genetics and lifestyle choices in human growth and development.
9. What is the purpose of a Pedigree chart? What do the symbols represent?
10. What is evolution?
11. Of sixteen rabbits just born, twelve have black fur and four have white fur. The trait for white fur is considered _____. Predict the possible genotypes of the parents using a punnett square to justify your answer.
21. How many chromosomes are contained in an average human body cell?