Scope 7L3A Study Guide ( from your STEMscopedia)

1. The primary function of the chromosome is to –
2. Inherited traits are governed by –
3. Which provides the genetic material of an organism?
4. Chromosomes are the basic units of what aspect of an organism?
5. A gene is best described as –
6. Define heredity. Use your vocab words (chromosomes, traits, etc)
7. Use the concepts of dominant and recessive traits to explain how two brown-eyed parents can have a blue-eyed baby. (Use a Punnett square and your vocab words)
8. Genotype - The specific genetic makeup of an individual
9. phenotype - The physical appearance of an individual’s genetic makeup
10. heredity - The passage of genetic instructions from one generation to the

next generation

1. allele - One variation of a particular gene
2. chromosomes - Contain the genes of an individual
3. trait - . A particular characteristic of an individual
4. Know how to determine the Phenotype of an organism if given the genotype

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