1. What is homozygous?
2. What is heterozygous ?
3. What is an allele?
4. What is mitosis?
5. If blue eyes is recessive, b, and brown eyes is dominant, B, cross a homozygous brown eyed parent with a homozygous blue eyed parents. What is the probability a child will be born with brown eyes?
6. If blue eyes is recessive, b, and brown eyes is dominant, B, cross a heterozygous brown eyed parent with a homozygous brown eyed parent. What is the probability a child will be born with brown eyes?
7. If red flowers is dominant, R, and white flowers is recessive, r, cross a homozygous red flower with a heterozygous red flower. What is the probability that offspring will have white flowers?
8. Where did you get your DNA?
9. What are two reasons why scientists study DNA?
10. Where do you find DNA?
11. Why do you need DNA?
12. How do you know all living things have DNA?
13. If the Dragon has the alleles Gg and has green skin, what is its genotype and phenotype?
14. What is the difference between genotype and phenotype?
15. Draw a pedigree with two parents that are affected who have two sons that are affected and two daughters that are not. List their genotypes and phenotypes.
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