

Class Set

Alien Project Analysis Questions

1. What is physically different about the two children? What lead to these differences? (Explain the genotypes)
2. What is the same or different when comparing Mother, Father and the two children? What causes these changes?
3. Think about your siblings, if you are the only child think about your friends siblings. How are they different from you/your friends? How are they different from your parents/their parents?

Practice problems for the Quiz

1. Looking at a pea plant you need to do a test cross on a purple flowering plant to determine the genotype. What would you cross it with to determine the plant's genotype, and why? Use a Punnett square to support your reasoning
2. Use the following vocab words to create sentences
 - a. Homozygous and heterozygous
 - b. Dominant and recessive
 - c. Allele and genes
 - d. Monohybrid
 - e. Punnett square and probability
3. Classify the following as dominant/recessive and heterozygous/homozygous
 - a. RR
 - b. Rr
 - c. mm
 - d. MmRRtt
 - e. ZzXxQQ

* Write answers on the back of the drawings you made.