

Monohybrid Cross Punnett Squares Bell Work

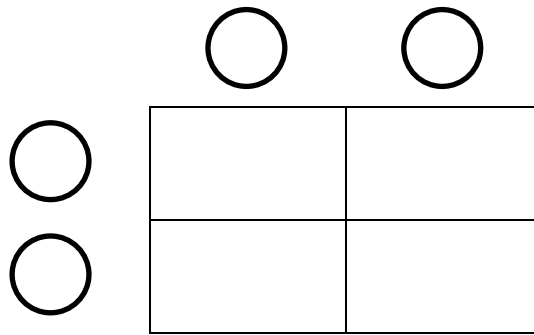
I. MATCHING TYPE. Match the terms with their respective definitions. Put your answer on the space provided.

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|----------|---|-----------------|
| _____ 1. | different forms of genes for a single trait | a. alleles |
| _____ 2. | genes expressed only in homozygous state | b. dominant |
| _____ 3. | genes that are always expressed | c. heterozygous |
| _____ 4. | genotypes with same alleles | d. homozygous |
| _____ 5. | genotypes with two different alleles | e. recessive |

II. CREATING A PUNNETT SQUARE.

One parent is homozygous for the dominant trait of brown eyes, while the other parent is heterozygous. Make a Punnett square to answer the questions below.

Note: Use letter B to represent the dominant trait.



1. What do the letters outside the Punnett square stand for? _____
2. What do the letters inside the Punnett square stand for? _____
3. What fraction of their offspring is expected to be heterozygous? _____
4. What fraction of their offspring is expected to be homozygous? _____