

Punnett Squares

Worksheet

Name _____

Date _____

Complete the following punnett squares based on the case!

1. In dogs, there is a hereditary type of deafness caused by a recessive gene. Two dogs who carry the gene for deafness but have normal hearing are mated. What are the possible genotypes and phenotypes of their offspring and the percent chance for each?

Genotype:

Phenotype:

Chance:

2. In guinea pigs, short hair is dominant over long hair. If a short haired SS guinea pig is crossed with a long haired ss guinea pig, what are the possible genotypes and phenotypes of their offspring and the percent chance of each?

Genotype:

Phenotype:

Chance:

3. Can you curl your tongue up on the sides? Tongue-curling in humans is a dominant genetic trait. Suppose a man who is Tt for tongue-curling marries a woman who is also Tt for this trait. What are the possible genotypes and phenotypes of their children and the percent chance for each?

Genotype:

Phenotype:

Chance: