**Punnett Squares Worksheet**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Look at these parent’s genotypes. State the phenotypes for each trait for each parent

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Mom Rabbit** | | **Dad Rabbit** | |
| **Genotype** | **Phenotype** | **Genotype** | **Phenotype** |
| **Gender** | XX |  | XY |  |
| **Hair Colour**  **Brown, B**  **Blonde, b** | Bb |  | BB |  |
| **Eye Colour**  **Brown, E**  **Green, e** | ee |  | Ee |  |
| **Ear Length**  **Long, L**  **Short, l** | LL |  | LL |  |
| **Ear Type**  **Straight, S**  **Floppy, s** | ss |  | SS |  |
| **Super Spy Abilities**  **No Ability, N**  **Super Spy, n** | Nn |  | Nn |  |
| **Undefinable Cuteness Factor**  **Very Cute, C**  **Not Cute, c** | CC |  | Cc |  |
| **Carrot Munching**  **Quick, M**  **Slow, m** | mm |  | mm |  |

1. Make a Punnett square for each gene
2. Flip a coin to determine the genotype of the offspring

Example: Flip once to choose the allele from the father, then flip another time to choose the allele from the mother.

1. Then list the genotype and phenotype of the offspring

Punnett squares:

Punnett squares:

|  |  |
| --- | --- |
| **Offspring Rabbit** | |
| **Genotype** | **Phenotype** |
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