**Genetics Continued**

**Review Vocab**

Gene:

Allele:

Genotype:

Phenotype:

**Question**

How is a baby’s gender determined?

* If it has an \_\_\_ and \_\_\_ sex chromosomes, then it is a \_\_\_\_\_\_\_\_\_\_
* If it has two \_\_\_ sex chromosomes, then it is a \_\_\_\_\_\_\_\_\_\_\_\_

**Punnett Squares**

**Punnett squares** are diagrams that are used to \_\_\_\_\_\_\_\_\_\_\_\_\_\_ an outcome of a breeding experiment. It is named after Reginald C. Punnett, who devised the approach, and is used by biologists to determine the probability of an offspring's having a particular genotype.

**Determining Probability Gender using a Punnett Square**

Jim and Sally are having a baby!

**Determining Probability of Other Traits with Punnett Squares**

Jim has blonde hair (b). His genotype is (bb).

Sally has brown hair (B). Her genotype is (Bb).

**Trait Skipping shown by Punnett Squares**