

Name: _____ Date: _____ Period: _____

Big Bang Punnett Squares

Complete the following punnett squares, including the phenotype and genotype percents. Create a key if that will be helpful.

Leonard is thinking about what his kids with Penny would look like. He would love for their kids to have long eyelashes like Penny. What chance do their fictional kids have of having long eyelashes, a dominant trait? Leonard has short eyelashes and Penny is heterozygous for long eyelashes.

Key _____ = _____
 _____ = _____

Phenotypes Genotypes
 _____ % _____ %
 _____ % _____ %
 _____ %

Bernadette has a widows peak (a dominant trait), while Howard doesn't. Both Bernadette and Howard are purebreds. What are the chances that their children won't have a widow's peak?

Key _____ = _____
 _____ = _____

Phenotypes Genotypes
 _____ % _____ %
 _____ % _____ %
 _____ %