Name: _____ Date: _____

Celebrity Genetics

1. Selena Gomez has a crush on Justin Bieber but is worried that if they had a baby it wouldn't have hair like Justin's. Justin Bieber is **homozygous** for hair color (H), which is dominant. Selena is **heterozygous** for this trait (Hh) in a punnett square to help Selena figure out what to do.

Selena's Genotype: _____

Justin's Genotype: _____

What are the chances that a baby would have a hair color like Justin's (blue)? _____%

2. Kathleen and Calvin Harris are going to have a baby. They need to decide the baby's hair color, but unlike most couples, instead of picking names they can use Punnett squares to help them. They need to know if the baby is going to have the gene for curly hair (curly hair is dominant). Kathleen has a homozygous recessive (straight hair) and Calvin Harris is **homozygous dominant.**

Kathleen Genotype: _____

Calvin Harris' Genotype: _____

What are the chances that their baby will have curly hair? _____%

3. Lady Gaga wanted to use her DNA to clone some babies. She suggested that she be **heterozygous** in some trait (with brown eyes dominant). Peter Dinklage (D) is determined to be that (D). He is a perfect match to help Lady Gaga figure out if her children will look like them.

Lady Gaga's Genotype: _____

Draw her genotype for both eyes (Hint: yourself) (squares):

What percentage of her children will have brown eyes?

_____
