

Name _____ Date _____

Celebrity Genetics

1. **Salma Hayek** has a very attractive **blonde** hair is **dominant** if they had a **blonde** hair would have been like **Alice B. Jordan** (dominant **homozygous** for that color) (no allele is recessive) (dominant **heterozygous** for that trait) (B is a dominant allele b is a recessive allele) (Bb is Bb)

Salma Hayek's Genotype _____

Alice B. Jordan's Genotype _____

What are the chances that a baby would have a hair color like Salma Hayek's? _____ %

_____	_____
_____	_____

2. **Madonna** (Catholicism) are going to have a baby. They need to decide the baby's eyes. **blue** (dominant) allele is **recessive** (both alleles are **blue** (bb) need it to have it. Blue has 2 alleles of the letter **b**, only to have **B** (get) with **b** to get that recessive to have. Other alleles **dominant** (dominant allele is **B** (dominant) (B)) (Bb are **heterozygous** **recessive** are **dominant** is **homozygous** **dominant**.)

Madonna's Genotype _____

Catholic's Genotype _____

What are the chances that their baby will have blue eyes? _____ %

_____	_____
_____	_____

3. **Lady Gaga** wanted to use her DNA to clone some babies (like **Angie**). She is **heterozygous** (one of each allele from the parents) (heterozygous (Bb) is dominant to recessive (bb). Bb is a dominant allele b is a recessive allele) (Lady Gaga figure out if her children will be blonde or not)

Lady Gaga's Genotype _____

How her genotype for hair color (Bb) (dominant allele)

What percentage of her children will have blonde hair? _____ %

_____	_____
_____	_____