

Name _____

Date _____

Celebrity Genetics

1. **Salma Hayek** has a very attractive **blonde** hair is dominant if they had a blonde it would have been like **Justin B.** **Justin Bieber's** **homozygous** for that colour (rr) which is recessive. **Salma's** **heterozygous** for that trait (Rr) in a punnett square with **Justin** (Justin's genotype rr) to do.

Salma's Genotype: _____

Justin's genotype: _____

What are the chances that a baby would have a hair colour like Justin's? _____ %

	r	r
R	Rr	Rr
r	Rr	rr

2. **Madonna** (Madonnas) are going to have a baby. They need to decide the baby's eyes. **Madonna** would be **heterozygous** (Bb) for eye color (she can see blue but need it to carry it). **Madonna** needs partners of the baby is going to have **Frank** (Frank's eyes are blue that means he is homozygous recessive) **Frank's** **homozygous** (bb) for eye color. **Madonna's** **heterozygous** (Bb) for eye color. **Madonna's** **heterozygous** (Bb) for eye color.

Madonna's Genotype: _____

Frank's genotype: _____

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

	b	b
B	Bb	Bb
b	Bb	bb

3. **Lady Gaga** wanted to use her DNA to clone some babies after **Frank's** 1. She is **heterozygous** (Rr) for eye color (she can see blue but need it to carry it). **Frank's** **homozygous** (rr) for eye color. **Lady Gaga** (Rr) is **heterozygous** (Rr) for eye color. **Lady Gaga** (Rr) is **heterozygous** (Rr) for eye color.

Lady Gaga's Genotype: _____

Frank's genotype for both traits (rr) (Frank's genotype): _____

What percentage of her children will have blue eyes? _____ %

	r	r
R	Rr	Rr
r	Rr	rr