

Name \_\_\_\_\_ Date \_\_\_\_\_

### Celebrity Genetics

1. **Salma Hayek** has a very attractive **blue** eye but is worried that if they had a baby it would have both blue **and** green eyes. Her husband **Johnny Depp** has a very attractive **green** eye. What is the chance that their baby will have a **blue** eye? (See Punnett square below)

Salma's genotype \_\_\_\_\_

John's genotype \_\_\_\_\_

What are the chances that a baby would have a blue eye? (See Punnett square)


2. **Madonna** and **Cavendish** are going to have a baby. They need to decide the baby's eye color. **Madonna** would like to know the odds after she can see the baby's eye color. **Madonna** has a very attractive **blue** eye. **Cavendish** has a very attractive **blue** eye. What is the chance that their baby will have a **blue** eye? (See Punnett square below)

Madonna's genotype \_\_\_\_\_

Cavendish's genotype \_\_\_\_\_

What are the chances that their baby will have a blue eye? (See Punnett square)


3. **Luella** **Long** wanted to use her DNA to clone some babies like **Luella**. She is **homozygous** for the **blue** eye gene. **Frank** **Whaley** is **heterozygous** for the **blue** eye gene. What is the chance that their baby will have a **blue** eye?

Luella's genotype \_\_\_\_\_

Frank's genotype \_\_\_\_\_

What percentage of their children will have blue eyes? \_\_\_\_\_
