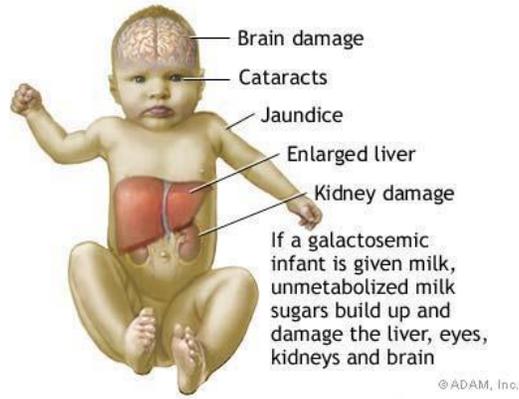


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class Period: \_\_\_\_\_

## Warm Up



Galactosemia is an inherited disorder in humans. A person with the disorder cannot digest the sugars in milk. The allele for normal digestion (G) is dominant; the allele for galactosemia (g) is recessive.

A female who is heterozygous for the galactosemia trait and a male who has galactosemia have a child.

1. Identify the genotype of the father \_\_\_\_\_

2. Complete a Punnett square to show the possible genotypes and phenotypes of the child


- Describe the probability that the child will inherit galactosemia (Phenotypic Ratio). \_\_\_\_:\_\_\_\_
- Describe all the possible genotypes and phenotypes of the father's parents. Use a punnett square to support your answer.

- Determine the genotype of all individuals in this family. Use the letter "G".

