

NAME:

PERIOD:

DATE:

Genetics Classwork

Answer the following questions to the best of your ability. Be specific. Be scientific.

Marvin is Tt for height. "T" is the allele for tall and "t" is the allele for short.

1. What is Marvin's phenotype?
2. What is Marvin's genotype?
3. Is Marvin homozygous or heterozygous for height? How do you know?
4. What is genetics?
5. What is a gene?
6. What is a trait?



"G" is for good jumping in frogs, and "g" is for poor jumping in frogs.

7. What is the dominant allele? How do you know?
8. If a mother frog and a father frog both have GG can they have a child frog that will be a poor jumper?
Why?

For wing color, "P" is pink and "p" is purple for a population of Flamingos.

9. What is the trait?
10. My pet Flamingo has Pp for its wings. What color are its wings?
11. If my pet flamingo had babies with another flamingo who was pp, what % of their kids would have purple wings? (Make a Punnett square.)