

Name \_\_\_\_\_

Date \_\_\_\_\_ Per \_\_\_\_\_ Asst \_\_\_\_\_



## Dominant and Recessive Genes Treasure Hunt

1. Different forms of a gene are called \_\_\_\_\_.
2. If both genes are identical, the organism is said to be \_\_\_\_\_ for that trait.
3. If two alleles are different, the organism is said to be a \_\_\_\_\_ or \_\_\_\_\_ for that trait.
4. Dominant alleles are always written as a \_\_\_\_\_ letter, and the recessive allele as the same letter but \_\_\_\_\_.
5. Why would “s” not be an appropriate expression to represent a short allele?  
\_\_\_\_\_
6. The physical traits that we observe are called the \_\_\_\_\_.
7. The two genes that determine an organism’s traits are called the \_\_\_\_\_.
8. The dominant pod shape for Mendel’s pea plants is \_\_\_\_\_, and the recessive pod shape is \_\_\_\_\_.
9. What phenotype would a pea plant with a Ss genotype produce?
10. What are the possible genotypes that would produce a green pod? \_\_\_\_\_
11. What are the possible genotypes of a yellow pod? \_\_\_\_\_.
12. What do these phenotypes tell you about the yellow allele?  
\_\_\_\_\_.

