

# Genetics Activity 1

For each of the genotypes below, indicate whether it is homozygous dominant, homozygous recessive, or heterozygous.

- 1. TT \_\_\_\_\_
- 2. Ff \_\_\_\_\_
- 3. ff \_\_\_\_\_
- 4. Yy \_\_\_\_\_
- 5. PP \_\_\_\_\_
- 6. WW \_\_\_\_\_

7. Which of the genotypes above would be considered purebred?  
\_\_\_\_\_

8. Which of the genotypes above would be considered hybrids?  
\_\_\_\_\_

Tongues that curl (C) are dominant to tongues that don't curl (c). Determine the phenotype for each of the following. (Curl or no curl)

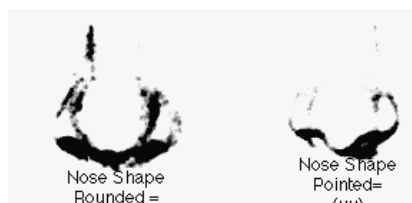
9. Cc \_\_\_\_\_ 10 cc \_\_\_\_\_ 11. CC \_\_\_\_\_

In horses black hair (B) is dominant to brown hair (b). Give the genotypes that are possible a herd of horses.

12. Black hair \_\_\_\_\_ 13. Brown Hair \_\_\_\_\_

Observe two other students in class.

Round noses (R) are dominant to pointed noses (r).



14. Student Name \_\_\_\_\_  
Shape of Nose \_\_\_\_\_ Possible genotypes \_\_\_\_\_

15. Student Name \_\_\_\_\_  
Shape of Nose \_\_\_\_\_ Possible genotypes \_\_\_\_\_