

PUNNETT SQUARE / DIHYBRID CROSSES WEBQUEST

Name _____
Class 2 3 4

VOCABULARY TO KNOW:

Homozygous-

Heterozygous-

Genotype-

Phenotype-

Go to <http://www2.edc.org/weblabs/Punnett/punnettsquares.html> to perform the following activities using Punnett Squares. Read each page carefully. Answer the following questions as you go along.

1. A. What percentage would you expect to be BROWN CHICKS? _____
 B. What percentage would be HYBRID BROWN? _____

2. A. What percentage of the lemmings would be carriers (hybrid)? _____
 B. How many of the four offspring lemmings would be albino? _____
 C. What is the genotype of the albino offspring? _____

2. Write down the alleles for the lemming traits of...
 - a. Long tail = _____
 - b. Short tail = _____
 - c. Brown = _____
 - d. Albino = _____

3. Which two lemmings created the albino baby?
 - a. What are their numbers? _____ and _____
 - b. What are their genotypes? _____ and _____