

Dihybrid Quiz

Name _____

Use the key for the following crosses:

D = Dimples
d = no dimples

R = curly hair
r = straight hair

I. Cross a man with DdRr with a woman ddrr.

Genotypes	Phenotypes

- _____ 1. What is the phenotype of the man?
- _____ 2. What is the phenotype of the woman?
- _____ 3. What fraction of the children will be curly haired and dimpled?
- _____ 4. What fraction will be straight haired and dimpled?
- _____ 5. What fraction will have straight hair and no dimples?

II. A dimpled woman with straight hair, whose mother had curly hair and no dimples, marries a man who does not have dimples but who does have curly hair. His mother, however, had straight hair.

- _____ 6. What is the genotype of the woman?
- _____ 7. What is the genotype of the man?

Genotypes	Phenotypes