

## Dihybrid Quiz

Name \_\_\_\_\_

Use the key for the following crosses:

D = Dimples  
d = no dimples

S = straight hair  
s = curly hair

I. Cross a man with **DdSs** with a woman **dDss**.


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