

Biology I

Name _____

Genetic Problems

1. Rabbits: L – long ears
 l – floppy ears
- a. Cross: heterozygous X homozygous recessive
b. Cross: heterozygous X heterozygous

2. Horses: B – black coat T - trotter
 b – white coat t – pacer

- a. Cross: heterozygous for both traits X heterozygous for both traits
b. Cross: recessive for both traits X heterozygous for both traits
c. Cross: Bbtt X BbTt

3. Dogs: (Test Cross) S – short hair
s – long hair

- a. Male is mated with a long hair female.
 - b. Offspring = short and long hair pups.
 - c. What is the father's genotype and phenotype?
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4. Dairy Cows (Codominance) B – brown cows
W – white cows
BW – patches

- a. Cross: BW X WW
- b. Cross: BB X BW
- c. Cross: BW X BW

