

# Download File PDF Genetic Problems Answers

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Cool! I'am really happy

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so many fake sites. this is the first one which worked! Many thanks

## GENETICS PROBLEMS TEST REVIEW

### 1. Simple monohybrid crosses - AUTOSOMAL Traits

Curly hair is dominant to straight hair. Cross a parent with curly hair (heterozygous) with a parent with straight hair. Show all possible genotypes and phenotypes for their offspring then answer the following questions:

- Curly hair parent: \_\_\_\_\_ Straight hair parent: \_\_\_\_\_
- Can they produce children with curly hair? \_\_\_\_\_
  - Can they produce children with straight hair? \_\_\_\_\_
  - Can they produce children homozygous for curly hair? \_\_\_\_\_
  - Can they produce children heterozygous for curly hair? \_\_\_\_\_

### 2. Blood Type Problem

Two people, both with Type AB blood, decide to have a family. Show all the possible blood types that may show up in their children.

3. Can the two people above produce a child with heterozygous Type B blood? \_\_\_\_\_  
EXPLAIN:

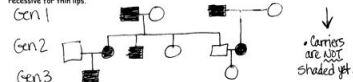
### 4. Sex-linked trait problem.

Tourette Syndrome is a dominant, sex-linked trait. If a male has Tourette Syndrome married a female who is normal:

- Can they produce children with Tourette syndrome? \_\_\_\_\_
  - Will the children be male or female? \_\_\_\_\_
  - Can they produce children who will be normal? \_\_\_\_\_
  - Will these children be male or female? \_\_\_\_\_
- EXPLAIN:

### 5. Determining genotypes from a pedigree:

Thick, full lips is dominant to thin lips. Use the symbols D and d to label the genotype for each of the numbered individuals. The shaded regions show individuals who are homozygous recessive for thin lips.



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