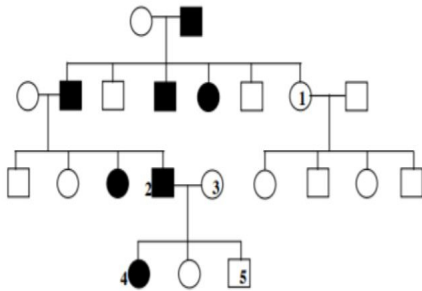


Name : _____

Date : _____

Pedigree Worksheet

In the following human pedigrees, the filled symbols represent the affected individuals. You may assume that the disease allele is rare and therefore individuals marrying into the family are unlikely to have defective allele.



1. What is the most likely mode of inheritance for this pedigree?
2. State the genotypes of individuals # 1-5 in the following table using the letter "A". Use the uppercase letter to represent the dominant allele and lowercase letter to represent the recessive allele.

Individual	Genotype
#1	
#3	
#4	
#5	

3. If individuals # 2 and 3 have another son what are the chances that this son will be affected?

Answer key:
1. Autosomal dominant
2. Genotype:
#1 : aa
#3 : aa
#4 : Aa
#5 : aa
3. 50% (Aa x aa)