Types of inheritance review

Incomplete dominance. Carnations can come in red, white and pink.

Genotypes	Phenotypes

Cross a pink carnation with another pink carnation.

What is the chance of having a red carnation? ____

What is the chance of having a pink carnation? ____

What is the chance of having a white carnation? ____

Codominance. Chickens may have white feathers, black feathers, or speckled feathers (white and black feathers).

Genotypes	Phenotypes

Cross a speckled chicken with another speckled chicken.

What is the chance of having a white feathered chicken? ____

What is the chance of having a speckled feather chicken? ____

What is the chance of having a black feathered chicken? ____

LIVEWORKSHEETS

Sex-linked recessive. Color blindness is a sex-linked recessive trait

Female Genotypes	Female Phenotypes	Male Genotypes	Male phenotypes

Cross a carrier female with a normal male.

What is the chance of having a colorblind child? ____

What is the chance of having a daughter that is colorblind? ____

What is the chance of having a son that is colorblind? ____

Sex-linked dominant. Fragile-X syndrome is a sex-linked dominant trait

Female Genotypes	Female Phenotypes	Male Genotypes	Male phenotypes

Cross a Heterozygous female with Fragile-X with a normal male.

What is the chance of having a fragile-X child? ____

What is the chance of having a daughter with fragile-X? ____

What is the chance of having a son with fragile-X? ____

LIVEWORKSHEETS