

Simple Genetics Practice Problems

Name _____

1. For each genotype, indicate whether it is heterozygous (HE) or homozygous (HO)

AA _____
Bb _____
Cc _____
Dd _____

Ee _____
ff _____
GG _____
HH _____

ii _____
Jj _____
kk _____
Ll _____

Mm _____
nn _____
Oo _____
Pp _____

2. For each of the genotypes below, determine the phenotype.

Purple flowers are dominant to white flowers

PP _____
Pp _____
pp _____

Round seeds are dominant to wrinkled

RR _____
Rr _____
rr _____

Brown eyes are dominant to blue eyes

BB _____
Bb _____
bb _____

Bobtails are recessive (long tails dominant)

TT _____
Tt _____
tt _____

3. For each phenotype, list the genotypes. (Remember to use the letter of the dominant trait)

Straight hair is dominant to curly.

_____ straight
_____ straight
_____ curly

Pointed heads are dominant to round heads.

_____ pointed
_____ pointed
_____ round

4. Set up the square for each of the crosses listed below. The trait being studied is round seeds (dominant) and wrinkled seeds (recessive)

Rr x rr

What percentage of the offspring will be round?

Genetics Practice Problem Abo Multiple Allele Answer

Rajiv Tyagi



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