

### Genetics Practice

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

AA _____	Ee _____	Ii _____	Mm _____
Bb _____	ff _____	Jj _____	nn _____
Cc _____	GG _____	kk _____	Oo _____
Dd _____	HH _____	Ll _____	Pp _____

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

Purple flowers are dominant to white flowers	Brown eyes are dominant to blue eyes
PP _____	BB _____
Pp _____	Bb _____
pp _____	bb _____
Round seeds are dominant to wrinkled	Bobtails are recessive (long tails dominant)
RR _____	TT _____
Rr _____	Tt _____
rr _____	tt _____

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

Straight hair is dominant to curly.	Pointed heads are dominant to round heads.
_____ straight	_____ pointed
_____ straight	_____ pointed
_____ curly	_____ round

4. Set up the squares 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?

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