

Genetics Practice Problems - Simple Worksheet

1. For each genotype below, 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 what **phenotypes** would be possible.

*Purple flowers are dominant to white flowers.*

PP \_\_\_\_\_

Pp \_\_\_\_\_

pp \_\_\_\_\_

*Round seeds are dominant to wrinkled seeds.*

RR \_\_\_\_\_

Rr \_\_\_\_\_

rr \_\_\_\_\_

*Brown eyes are dominant to blue eyes*

BB \_\_\_\_\_

Bb \_\_\_\_\_

bb \_\_\_\_\_

*Bobtails in cats are recessive.*

TT \_\_\_\_\_

Tt \_\_\_\_\_

tt \_\_\_\_\_

3. For each **phenotype** below, 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