

Genetics Practice Problems 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.

- a. Purple flowers are dominant to white flowers.

- PP _____
- Pp _____
- pp _____

- c. Brown eyes are dominant to blue eyes

- BB _____
- Bb _____
- bb _____

- b. Round seeds are dominant to wrinkled seeds.

- RR _____
- Rr _____
- rr _____

- d. Bobtails in cats are recessive.

- TT _____
- Tt _____
- tt _____

3. For each phenotype below, list the **genotypes**

- a. Straight hair is dominant to curly.

- ____ straight
- ____ straight
- ____ curly

- b. Pointed heads are dominant to round heads.

- ____ pointed
- ____ pointed
- ____ round