Name _____ Date _____ Period _____

Genotype and Phenotype

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 what phenotypes would be possible.

(Purple flowers are dominant to white flowers).

PP _____ Pp _____ pp_____

(Brown eyes are dominant to blue eyes)

BB_____ Bb_____ bb_____

(Bobtails in cats are recessive).

TT _____ Tt _____ tt_____

(Round seeds are dominant to wrinkled seeds)

RR_____Rr_____ rr _____

3. For each phenotype below, list the genotype(s) (remember to use the letter of the dominant trait)

Straight hair is dominant to curly. Pointed heads are dominant to round heads.

_____ Straight _____ curly _____ pointed _____ round

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