

Genetics Practice Problems Worksheet

Name _____ Period _____

1. For each genotype below, write whether it is Heterozygous (HE), Homozygous Dominant (HD) or Homozygous Recessive (HR).

AA HD Ee _____ Ii _____ MM _____
Bb HE ff _____ Jj _____ nn _____
cc HR Gg _____ kk _____ oo _____
DD _____ HH _____ LL _____ Pp _____

2. For each of the traits listed, determine which letter would be used.

Green is dominant to brown _____G_____

Red is dominant to white _____

Purple is dominant to yellow _____

Round is dominant to square _____

3. For each of the **genotypes** below, determine and write the **phenotype**.

Purple flowers are dominant to white flowers.

PP purple Pp _____ pp _____

Brown eyes are dominant to blue eyes.

BB _____ Bb brown bb _____

Round seeds are dominant to wrinkled seeds.

RR _____ Rr _____ rr wrinkled

Tall is dominant and short is recessive.

TT _____ Tt _____ tt _____