

### 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 <u>HD</u>	Ee _____	Ii _____	MM _____
Bb <u>HE</u>	ff _____	Jj _____	nn _____
cc <u>HR</u>	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 \_\_\_\_\_