

Name: _____

Date: _____

Genotype and Phenotype: Sorting Practice

Part 1: Genotype vs. Phenotype Sort

Read each term in the bank below. Sort each item into the correct column: **Genotype** (the genetic makeup or allele combination) or **Phenotype** (the observable physical characteristic).

BB

Blue eyes

Tt

Wrinkled seeds

Purple petals

ff

Dimples

Gg

Brown fur

ss

Tall stem

RR

Genotype (Alleles)	Phenotype (Physical Traits)

Part 2: Classifying Genotypes

Examine the genotypes in the bank below. Sort each genotype into its correct category:

Homozygous Dominant, Heterozygous, or Homozygous Recessive.

AA

Bb

cc

Dd

EE

ff

GG

hh

Tt

yy

Homozygous Dominant	Heterozygous	Homozygous Recessive

Part 3: Quick Classification Check

Decide whether each statement describes a **Genotype** or a **Phenotype**. Write your answer in the box provided.

1. A pea plant carries the allele combination *Tt*.

2. A Labrador retriever has a solid black coat.

3. A student has naturally curly hair.

4. A fruit fly has two identical recessive alleles (*bb*).