

## Genetics Worksheet

### Part 1 Introduction:

- Describe the genotypes given (use your notes). The first two are already done.
  - DD *homozygous, dominant*
  - Dd *heterozygous*
  - dd \_\_\_\_\_
  - ss \_\_\_\_\_
  - Yy \_\_\_\_\_
  - WW \_\_\_\_\_
- In humans, brown eye color (B), is dominant over blue eye color (b). What are the **phenotypes** of the following genotypes? In other words, what color eyes will they have?
  - BB \_\_\_\_\_
  - bb \_\_\_\_\_
  - Bb \_\_\_\_\_

### The Five (5) Steps Associated With Solving a Genetics Problem:

*If you take the time to follow the directions below, you will be able to solve most genetics problems.*

- Determine** the **genotypes** of the parents or whatever is given in problem.
- Set up your **Punnett square** as follows: \*# sq. based on possible gametes that can be formed.

