



# MONOHYBRID CROSS WORKSHEET 2

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Name \_\_\_\_\_

Date \_\_\_\_\_

Complete the Punnett squares & fill in the blanks

①

	h	h
H		
h		

**Frequencies:**

HH: \_\_\_\_\_

Hh: \_\_\_\_\_

hh: \_\_\_\_\_

**Genotypes:**

P1: \_\_\_\_\_

F1: \_\_\_\_\_

②

	a	a
A		
A		

**Frequencies:**

AA: \_\_\_\_\_

Aa: \_\_\_\_\_

aa: \_\_\_\_\_

**Genotypes:**

P1: \_\_\_\_\_

F1: \_\_\_\_\_

③

	B	b
B		
b		

**Frequencies:**

BB: \_\_\_\_\_

Bb: \_\_\_\_\_

bb: \_\_\_\_\_

**Genotypes:**

P1: \_\_\_\_\_

F1: \_\_\_\_\_

## Monohybrid cross problems

4. In pea plants, the tall (T) trait is dominant over the dwarf (t) trait. A homozygous tall plant is crossed with a homozygous dwarf plant. What are the genotypes and phenotypes of the first generation? Assume complete dominance.

**Cross:** \_\_\_\_\_ x \_\_\_\_\_

**P1 genotypes:** \_\_\_\_\_

**F1 genotype(s):** \_\_\_\_\_

**F1 phenotype(s):** \_\_\_\_\_


5. If two of the F1 generations from Question 4 are crossed with one another, what would be the genotypes and phenotypes of the F2 offspring?

**Cross:** \_\_\_\_\_ x \_\_\_\_\_

**F1 genotypes:** \_\_\_\_\_

**F2 genotype(s):** \_\_\_\_\_

**F2 phenotype(s):** \_\_\_\_\_
