**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Year 10 Science**

**Inheritance Activity 2013**

Complete the following monohybrid crosses:

* draw a Punnett square,
* list the ratio and
* describe phenotype of the offspring.

1. A green pea plant (Gg) is crossed with a yellow pea plant (gg).
2. A tall plant (TT) is crossed with a tall plant (Tt).

1. A tall plant (Tt) is crossed with a short plant (tt).

Complete the following problems.

* Allocate letters to each allele
* List the parent genotypes,
* draw and fill in a Punnett square, and then
* list the offspring genotypes and phenotypes.

1. A homozygous dominant brown mouse is crossed with a heterozygous brown mouse (tan is the recessive color).
2. Two heterozygous white (brown fur is recessive) rabbits are crossed.
3. Two heterozygous red flowers (white flowers are recessive) are crossed.