

## Answer on Question#48804 - Biology, Other

**Task:** Tell me the phenotypes and genotypes of the offspring from the mating of a purple flowered pea plant and a white flowered pea plant. (complete dominance)

**Solution:**

A – purple color of flowers (dominant)

a – white color of flowers (recessive)

AA, Aa – genotype of a purple flowered pea

aa - genotype of a white flowered pea

1. If the genotypes of mating pea plants are:



**Answer:** The genotype of the offspring is *Aa*. The phenotype of the offspring is purple color of flowers.

2. If the genotypes of mating pea plants are:



**Answer:** The genotype of the offspring is *aa*. the phenotype of the offspring is purple and white color of flowers.