

Punnett Squares (Mendel's Work)

Punnett Steps:

alleles

down

genetics

genotype

heredity

organisms

phenotypes

Punnett square

possible

Summarize

"Split"

An organism's traits are determined by the **genotype** it inherits from

The passing of traits from parents to offspring is called

The study of heredity is called

A Punnett Square is used to predict the

of offspring.

1. Determine the genotypes/alleles of the parent
2. Write your "cross" (mating)
3. Draw a
4. the letters of the genotype for each parent & put them "outside" the punnett square
5. Determine the genotypes of the offspring by filling in the p-square
6. results (genotypes and phenotypes of offspring)

- An organism that has the same of a gene for a particular trait are homozygous
- An organism that has different copies of a gene for a particular are heterozygous
- A allele will the recessive allele.

Aa= (Dominant)
AA= Dominant
aa= Recessive

