

3 modern principles of heredity

Pea plant traits –

Explain the genotypes of the second generation offspring of Mendel's peas

Gregor Mendel:

Probability:

Probability & evaluating the Punnett Square:

Mendel & the Punnett Square

Mendel's 2 observations

How many pea plants were studied?

Is a heterozygous cross with a 1:1 color phenotype possible?

Punnett Square:

Genotypes & phenotypes of a heterozygous sheep cross using a Punnett Square. W is a dominant white color; w is a recessive black color –

Monohybrid cross:

Does it matter which parent is on top versus the side?

Draw a Punnett Square for a monohybrid cross with a homozygous dominant and homozygous recessive genotype pair. Find the possible genotypes of this cross.