Summary of Learning

The following are two samples of student summaries at the conclusion of the lesson.

Mendel's Legacy

In 1865, Mendel presented his findings in two lectures to the Natural Science Society in Brno. After his presentations, Mendel's work was published as *Experiments on Plant Hybrids* in the Natural Science Society's journal. Although Mendel presented and published his work, it was not fully understood during his lifetime and did not attract much attention. Many thought Mendel demonstrated what was already known about hybrid offspring reverting to their previous traits. Scientists, including Mendel, also did not understand how the experiments with pea plants could be applied to other organisms.

Gregor Mendel died in 1884 at the age of 61 without seeing his work gain recognition. In fact, Mendel's ideas remained mostly unread for nearly thirty-five years after their publication. In the early 1900s three independent scientists each rediscovered Mendel's published article and work. The work of these geneticists, botanists, and biologists built on Mendel's work, some even replicated Mendel's experiments and gathered data consistent with Mendel's data. Eventually Mendel's conclusions were referred to as Mendel's Laws. Scientists have identified a number of traits that follow the pattern of Mendelian inheritance, but not all genetics are as simple as the traits described by Mendel. Even so, Mendel's work is the foundation of understanding genetics and the reason Mendel is viewed as the father of modern genetics.

From Nendel, we have learned a lot of information about genetics and scientific discoveries have been made when those scientist booked at Mendel's data and graph. We have learned from Mendel that in genetics, there are dominant and recessive genes and when they mix, a ratio is born. Mendel was able to roughly predict the autcome of 2 "parent" pear plants' offspring. He then hould organize it into a graph which we could mathematically find a ratio of which trait would be more prominant in a hybrid. Also, a scientist named Reginal of Punnett developed a matrix system to track traits from parents to offspring by using what Mendel demonstrated with math.

Mendel's Legacy

In 1865, Mendel presented his findings in two lectures to the Natural Science Society in Brno. After his presentations, Mendel's work was published as *Experiments on Plant Hybrids* in the Natural Science Society's journal. Although Mendel presented and published his work, it was not fully understood during his lifetime and did not attract much attention. Many thought Mendel demonstrated what was already known about hybrid offspring reverting to their previous traits. Scientists, including Mendel, also did not understand how the experiments with pea plants could be applied to other organisms.

Gregor Mendel died in 1884 at the age of 61 without seeing his work gain recognition. In fact, Mendel's ideas remained mostly unread for nearly thirty-five years after their publication. In the early 1900s three independent scientists each rediscovered Mendel's published article and work. The work of these geneticists, botanists, and biologists built on Mendel's work, some even replicated Mendel's experiments and gathered data consistent with Mendel's data. Eventually Mendel's conclusions were referred to as Mendel's Laws. Scientists have identified a number of traits that follow the pattern of Mendelian inheritance, but not all genetics are as simple as the traits described by Mendel. Even so, Mendel's work is the foundation of understanding genetics and the reason Mendel is viewed as the father of modern genetics.

to come from I parent each and that means the offspring affects 2 genes. This is because Missis takes half the Divit. Then using the genes we depending how many dominant only recessive traits were given to the offspring you acrete genetypes. You could use the funnett square in order to figure out what the offspring would be round, green, and a long stem, then it would be round, green, and a long stem, then using the genetype the phenotype can be determined. So basically I learned how if the offspring has dominant genes then it would have looked these dominant. It also learned about Mandd's lifestyle, for example I learned how

Mended glow up on a form look and was thought, as gifted and talented. However he didn't do well on tests.