**Worksheet\_1**

After watching the video answer the following questions:

**1. What did Gregor Mendel use to discover the principles that rule heredity?**

1. Pea plants
2. Pigeons
3. Pear trees
4. Photosynthesis

**2. What happened to the green trait in Mendel's pea plants?**

1. It disappeared, further proving Darwin's theory of evolution
2. The pea plants produced 50% less green seeds
3. It was hidden by the dominant yellow gene
4. Nothing happened to the green gene

**3. What did Mendel call the two kinds of traits exhibited by the pea plants (one coming from the father, one from the mother)?**

1. Genesis
2. Elective traits
3. Alleles
4. Quadrants

**4. What do we call the result of the genotype (for example, the color of the peas)?**

1. Visible traits
2. Physiotrait
3. Genotype 2
4. Phenotype

**5. What do we call the table used to calculate the probability of an offspring's genotype?**

1. Punnett square
2. Venn diagram
3. Golden ratio
4. Fibonacci sequence

**6. In a few words, describe the differences in a recessive phenotype and a dominant genotype.**

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