Name_____

Per_____ Date _____

Web Lab – Mendel's Experiments

Go to http://www2.edc.org/weblabs/Mendel/mendel.html and work through the web lab to answer the following questions. Follow the instructions given in the lab to lead your investigations. Then, make several crosses between different plants to find the answers to the questions below.

1. Name the seven different characters Mendel studied in his experiments with pea plants.

     1.

     2.

     3.

     4.

     5.

     6.

     7.

2. Name the different variations of each of the seven characters.

     1.

     2.

     3.

     4.

     5.

     6.

     7.

3. Use several crosses to determine which allele of each of the seven different genes is the recessive and which is the dominant. Fill in the table below:

Gene or character	Dominant allele codes for:	Recessive allele codes for:

4. Use Punnett squares to show how Mendel used his ratios to designate one trait as dominant over another. Use at least two examples, such as flower color, plant size, or seed color.