Pre-Activity Worksheet: Mendelian Genetics

General Description
In the activity you will do this week during your learning/discussion group, you will be examining Mendelian genetics from several new angles. In order to be prepared for this activity, complete this worksheet.

Reading

Definitions
Write a definition of the following words. Use your text, textbook glossary, and your previous knowledge to create the best definition possible. Remember to connect your definitions to Mendelian genetics.

1) allele

2) phenotype

3) genetic screening

4) segregation

Questions
Answer the following questions. You will explore your answers to these questions in-depth during learning/discussion group.

1) Which of Mendel’s two laws is most relevant to human genetics? Why?

2) Differentiate between incomplete dominance and codominance.

3) How many alleles of a particular gene do you have? Why do you have that number? What is the origin of those alleles?

4) Is genetics more biological or mathematical? Explain your answer.