Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_

**Isolating DNA – Student Questions**

**Activity**

Following the Isolating DNA lab, answer the following frequently asked questions and answers about DNA and the code of life. You may need to talk with your classmates and use your imagination or classroom resources to figure out the answers to some of the questions.

1) What is a chromosome and how does it differ from a gene?

2) What is an organism's complete set of chromosomes called?

3) Do all living things have the same number of chromosomes in their cells?

1. How much DNA is in my body?
2. Why don't all people look the same, if we all share common genetic material?
3. What is an enzyme? What enzyme was used in the isolating DNA activity and how did it work?