Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_ Hour #: \_\_\_\_\_\_\_\_\_\_\_

**Instructions: After reading Chapter #1 – The Scientific Method from *A Student Handbook for Writing in Biology* by Karin Kinsley, answer the following questions based on this reading.**

Question #1: What are the steps to the scientific method? How do scientists use the scientific method for scientific research?

Question #2: What is the purpose of your hypothesis in a designed experiment? What are the three types of variables used a scientific experiment and what do these variable express?

Question #3: What type of reasoning is used mostly in scientific inquiries? When collecting data, what are some of the problems that scientists run into and how do scientists deal with these problems?

Question #4: Describe the two types of ways scientists organize their scientific data? Out of those two, which is the best to use in ALL types of scientific inquiries? Why?

Question #5: Reflection – How does this chapter (#1 – Scientific Method) relate to your journey in creating a science fair project? Why might this chapter be helpful to you?