1. What is the experimenter’s dilemma?

2. Distinguish between a theory and a hypothesis.

3. Contrast and compare reliability and validity. Make sure to discuss the different types of reliability and validity.

4. There are many ways of studying the exact same behavior. Identify the five (5) research methods discussed in Chapter 2. Describe each one in about 1-2 sentences.

5. As can be imagined, no research method is perfect. For that reason, identify the five methods of research discussed in Chapter 2 and state the limitations of each. What do you see as the best research method? Why do you think that?

6. Think of a behavior that you find interesting. Now imagine that you are a researcher and you are going to study that behavior. Design an experiment that will result in the behavior you choose occurring either more or less. Make sure to identify what the dependent and independent variables are. Do you think your study will have external validity? Explain your answer.

7. Particular ways of doing research exist. Identify and describe the 6 steps involved in conducting research.

8. What is a control group and why is it important?

9. There is a correlation of +.78 between students’ grades in a course and their attendance. What does that mean?

10. Identify and describe (define) the three types of correlation. Make sure to provide an example of each.

11. According to Kowalski and Westen, there are 7 questions the reader should attempt to answer when evaluating a study in a critical manner. What are those 7 questions? Why do you think each question is important?