

Introduction To Science : The Scientific Method

(Text Reference – pages 371-375 and 384-385)

1. What are the 8 steps of scientific inquiry
2. Observations
 - a. Define qualitative and quantitative observation
 - b. Page 372 #1-6
3. Hypothesis
 - a. Define
 - b. Page 373 #1-4
4. Performing Investigations
 - a. Define variable, independent variable, dependent variable
 - b. Define the term control
 - c. Page 374 #1-4
5. Organizing Data - Tables
 - a. What are the properties of a good table
6. Presenting Data – Graphs
 - a. What are the properties of a good graph
7. Conclusion
 - a. Describe the purpose of a conclusion
8. Theory
 - a. Why is a theory not considered to be the truth
9. Models and Analogies
 - a. Provide 3-4 reasons why a model is used in science
 - b. What is an analogy?
 - c. Provide an example of a model used in science
 - d. Provide an example of an analogy used in science