Prologue: THE STORY OF PSYCHOLOGY – know on own

Chapter 1: THINKING CRITICALLY WITH PSYCHOLOGICAL SCIENCE
   I. Definition of Psychology
   II. The Need for Psychological Science
      A. Limits of Intuition and Common Sense
      B. Characteristics of Pseudoscience (CA#1)
   III. The Scientific Attitude
      A. Critical Thinking (video and handout #1)
   IV. The Scientific Method (defined)
      A. Define a Hypothesis
         1. Operational Definition
      B. Collect Information (Data)
         1. Decide on Research Participants
         2. Decide on a Type of Research
            1. Descriptive Studies
            2. Correlational Studies
               a. Definition of Terms (correlation, positive correlation, negative correlation, correlation coefficient).
               b. Cautions regarding correlations
            3. Experimental Studies
               a. Independent Variable Vs. Dependent Variable
               b. Groups (Experimental Group and Control Group)
               c. Problems (biases and the placebo effect)
               d. Controls for Problems
      C. Draw Conclusions:
         1. Evaluate the Findings (descriptive vs. inferential statistics)
         2. Interpret the Findings
      D. Develop a Theory
         1. Three Things a Theory must be able to do
      E. Revise Conclusions and Theory (if necessary)
   V. Frequently Asked Questions about Psychology (discussion)