1. Categorize the following data according to level: nominal, ordinal, interval, or ratio.
   (a) Time of first class.
   (b) Length of time to complete an exam.
   (c) Course evaluation scale: poor, acceptable, good.

2. To estimate the average GPA of all La Sierra Students, President Geraty computed the average GPA obtained in his Advanced Hebrew Grammar class.
   (a) What is the implied population?
   (b) What is the sample?
   (c) What type of sample was this?

3. Using table in your text starting on the first row, list the first three numbers you would have, if you were looking for randomly selected numbers from 1 to 1250.

4. What type of sampling technique divides the population into groups, and selects a simple random sample from each group? Explain, with an example, why this type of sample need not be random.

5. How would you use a randomized two-treatment experiment in the following setting. Is placebo being used or not? Explain.

   A veterinarian wants to test a strain of antibiotic on calves to determine their resistance to common infection. In a pasture are 22 newborn calves. There is enough vaccine for 10 calves. However, blood tests to determine resistance to infection can be done on all calves.