Read pages 333 - 349 in the textbook, and then answer the following questions based on the reading.

1. What is the difference between a population and a sample?

2. What does it mean to make an inference about a population based on information from a sample?

3. What is the difference between a parameter and a statistic?
4. When is estimating parameters from a sample justified?

5. What is sampling bias?

6. What is non-response bias?
7. What is *quota sampling*?

8. What is the problem with quota sampling?

9. What is *simple random sampling*?
10. What are the two important features of all probability methods for sampling? What is the result of these two features?

11. How should you choose a sample of a population that minimizes bias?

12. What is response bias?