Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Implementing Random Sampling

Practice: Identify appropriate sampling methods to collect samples in the following situations

(Simple, Systematic, Cluster, Multi-Stage, or Stratified):

1. Identifying the contents of an opaque bag.

2. Estimating the percentage of shoppers who use plastic bags at a specific store.

3. Estimating the percentage of students in your school who like vampire movies.

4. Estimating the percentage of dogs that bark at guestsand passing cars.

5. Predicting the most popular book genre among students in your class.

6. Predicting the most popular book genre among U.S. elementary school students.

7. Estimating the percentage of defective incandescent bulbs produced at a factory.

8. Estimating the percentage of defective light bulbs produced at a factory.

9. Estimating the percentage of defective incandescent bulbs produced at U.S. factories.

10. Estimating the percentage of teachers at a school that work more than two Saturdays per month.