

## Practice

### *Designing a Study*

Determine whether each situation calls for a *survey*, an *experiment*, or an *observational study*. Explain your reasoning.

1. You want to compare the health of students who walk to school to the health of students who ride the bus.
2. You want to find out if people who eat a candy bar immediately before a math test get higher scores than people who do not.

Determine whether each survey question is *biased* or *unbiased*. If biased, explain your reasoning.

3. What is your current age?
4. Do you think teachers should be required to attend all home and away football games?
5. Do you agree or disagree with the following statement?  
Teachers should not be required to not supervise students during lunch.
6. Most teenagers text message during class. Are you one of them?
7. A research group wants to conduct a survey to discover the effects of energy drinks on freshman, suggest a population, determine the population, and give an example survey question.