

Answer the “keyed” Lesson Check Questions in sentences.



## 1.1 LessonCheck

1. **Explain** Why does chemistry affect all aspects of life and most natural events?
2. **List** Name the five traditional areas into which chemistry can be divided.
3. **Review** What are the “big ideas” of chemistry?



## 1.2 LessonCheck


8. **List** What are three reasons for studying chemistry?
9. **Review** How has modern research in chemistry impacted society?
10. **Describe** How do chemists study the universe?



## 1.3 LessonCheck

14. **Review** How did Lavoisier revolutionize the science of chemistry?
15. **List** Name three steps in the scientific method.
16. **Explain** Why are collaboration and communication important in science?

## Sample Problems




**25.** There is an ice cream shop six blocks north of your hotel. How many minutes will it take to walk there and back? Use the information in the sample problem.

In Problem 25, you must account for both the distance to and from the ice cream shop.

**26.** Using the information in the sample problem, how many blocks can be walked in 48 minutes?

In Problem 26, first determine how many miles can be walked in 48 minutes. Then, convert miles to blocks.

- 30.**  **List** What are the three steps for solving numeric problems?