

## Forces • Guided Reading and Study

**The Nature of Force** Homework 11/10

This section explains how balanced and unbalanced forces are related to motion.

**Use Target Reading Skills**

Before you read, preview the red headings in the text. Change each heading into a question by adding the word **What** or **How**. Record your questions in the left column of the graphic organizer. As you read each section, look for the answers to your questions. Then, after you have completed reading a section, write the answer to your question. If you have difficulty answering a question, reread the section, paying close attention to any boldface sentences within the section.

**The Nature of Force**

| Question         | Answer           |
|------------------|------------------|
| What is a force? | A force is . . . |
|                  |                  |

**What Is a Force?**

1. In science, a force is \_\_\_\_\_.
2. When one object pushes or pulls another object, the first object is \_\_\_\_\_ a force on the second object.
3. Circle the letters of the two ways that forces are described.
  - a. direction
  - b. velocity
  - c. strength
  - d. acceleration
4. The SI unit used to measure the strength of a force is the \_\_\_\_\_.