

Name: _____ Date: _____

Section 6.1: Pure Substances and Mixtures

Key Question: What is the difference between a pure substance and a mixture?

BEFORE YOU READ

With a partner, discuss the differences between a pure substance and a mixture. On the back of this page, make notes to show what you already know about pure substances and mixtures. Give examples of each.

WHILE YOU READ

Read with a partner. Take turns reading a paragraph aloud and summarizing the main ideas in the paragraph. As you read each paragraph, ask yourself these questions:

- What are the most important ideas in this paragraph?
- What explanations or evidence is given for each important idea?

AFTER YOU READ

Complete the T-chart below. First fill in all the words you know. Then skim Section 6.1 to find the remaining words.

Pure substances	Mixtures
<ul style="list-style-type: none"> • Pure substances contain only one kind of _____ _____. • There are millions of pure _____, but they are very rare in nature. • _____ are one of the very few exceptions. • Most pure substances you encounter are made pure by _____. • A pure substance has the same _____, no matter what its size or shape. • Scientists have made reference lists of _____ _____ and their _____ that can help you _____ an unknown substance. 	<ul style="list-style-type: none"> • A _____ contains two or more pure substances. • A mixture can be a combination of _____, _____, and _____. • Different samples of a mixture may have _____ _____ properties, depending on the amount of each pure substance in the sample.