

**Chapter 25**

Use with Section 3

**ENRICHMENT****• Compounds and Mixtures****Compounding Compounds****Part A**

You should already know that the formula for water is  $H_2O$ . However, did you realize that hydrogen and oxygen, the two elements in water, are found in thousands of compounds? Use research books such as encyclopedias or dictionaries to complete the columns in the table below.

Common name	Chemical name	Formula	How many atoms of hydrogen? Oxygen?	What other elements are in the compound?	Description/Uses
Wood alcohol					
Ammonia cleaning solution					
Baking soda					
Sugar					
Vinegar					
_____	_____	_____	_____ _____	_____	_____ _____
_____	_____	_____	_____ _____	_____	_____ _____

**Part B**

Can you think of any other compounds that contain hydrogen and oxygen? Add at least two additional compounds to the table and complete the columns for these compounds.

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