

**SECTION**  
**3**

**Enrichment**

**Compounding Compounds**

**Chapter**

**3**

You probably already know that the formula for water is  $H_2O$ . However, do you realize that hydrogen and oxygen, the two elements in water, are found in thousands of compounds?

**Directions:** *Research using books such as encyclopedias or dictionaries or other resources to complete the columns for the compounds listed in the table below. Then add at least two compounds that contain hydrogen and oxygen, and complete the column for these compounds.*

Common name	Chemical name	Formula	How many atoms of hydrogen? Oxygen?	What other elements are in the compound?	Description/uses
1. Wood alcohol					
2. Ammonia cleaning solution					
3. Baking soda					
4. Sugar					
5. Vinegar					
6.					
7.					