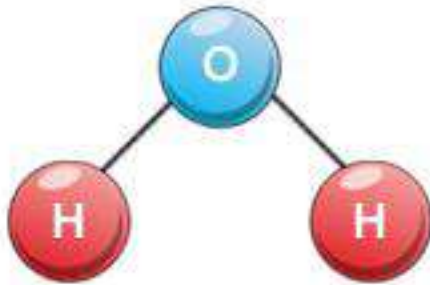
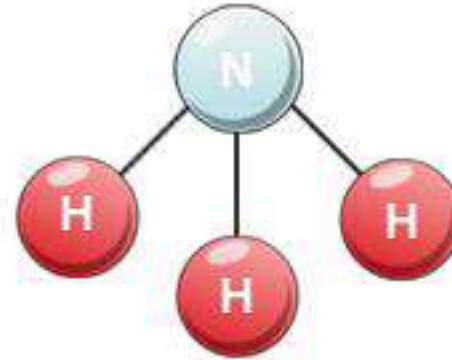


Compounds

water



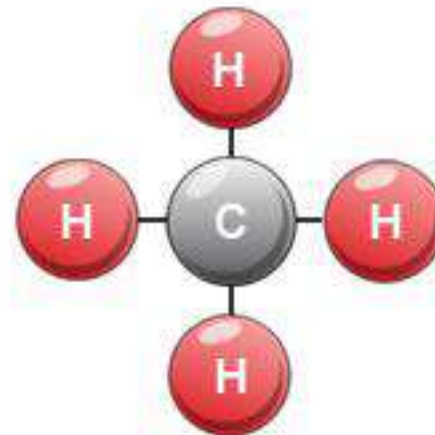
ammonia



carbon dioxide



methane



I. Compounds: Made of Elements

A. A **compound** is a pure substance composed of two or more elements that are chemically combined.

B. The Ratio of Elements in a Compound

Elements form in a specific ratio according to their masses to form a compound.

[List of Chemical Compounds with Common Names](#)



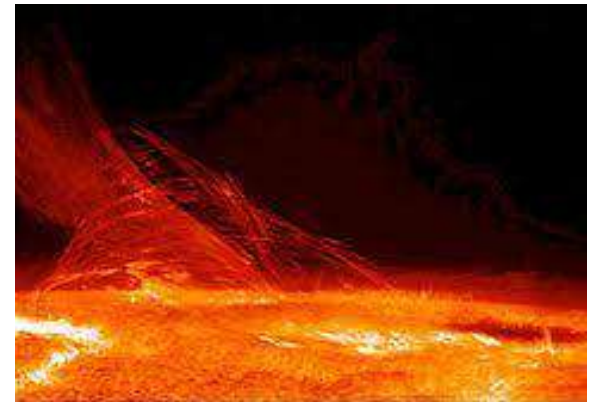
II. Properties of Compounds

A. Compounds have unique properties just like elements do, but they are not the same properties of the individual elements.



III. Breaking Down Compounds

- A. Methods of Breaking Down Compounds** The only way to break down a compound is through a chemical change.
- B. Sometimes energy has to be added to begin a chemical change.
- C. Energy can be added as heat or an electric current.



IV. Compounds in Your World

A. Compounds in Industry: Aluminum and Ammonia

B. Compounds in Nature: Proteins and Carbon Dioxide

