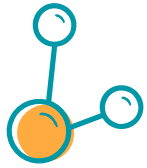
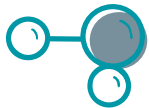


COMPOUNDS

WHAT IS A COMPOUND?



A compound is a single substance that is made from two or more elements that are **chemically** combined. Water (H_2O) and carbon dioxide (CO_2) are examples of compounds.

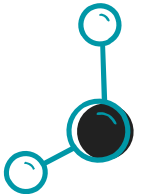
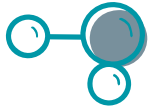




WHAT IS A COMPOUND?

A compound is **not** a mixture.

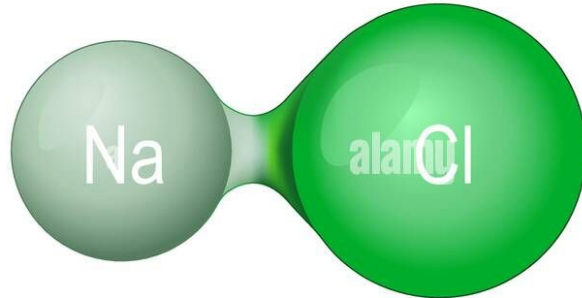
(Remember, mixtures are things like toothpaste, milk, and juice - they can be separated by physical processes).

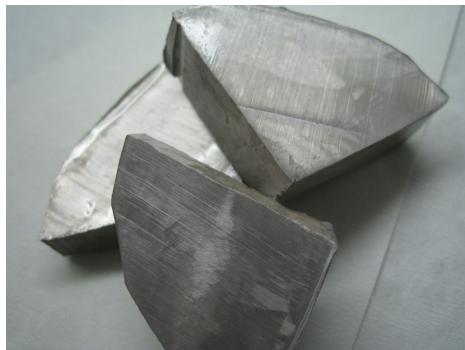


WHAT IS A COMPOUND?

One compound you might use every day is NaCl, or table salt.

What two elements is NaCl made up of?





sodium

+

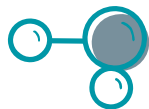


chlorine

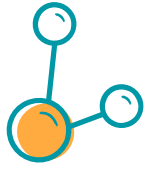
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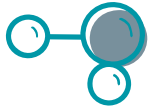
sodium chloride

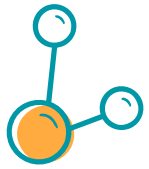


WHAT IS A COMPOUND?

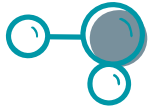
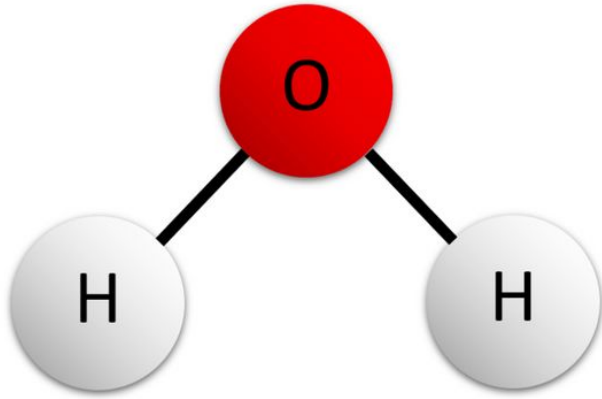


Compounds, like elements, are made up of atoms. In compounds, atoms are joined together to form particles called **molecules**. A molecule is a particle that is made up of one or more elements that are chemically combined.

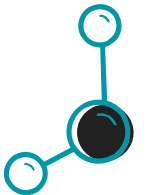
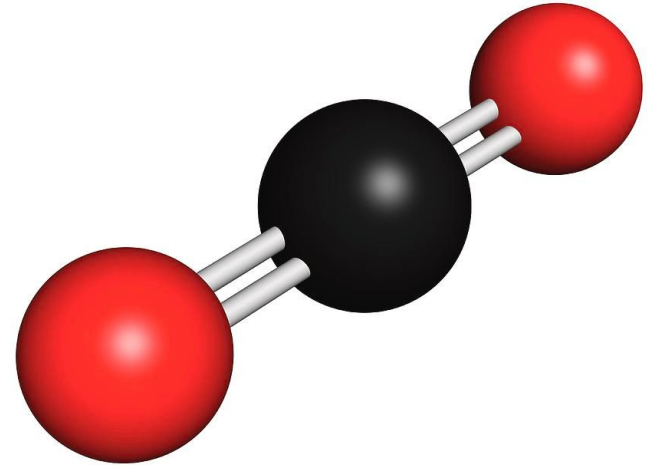




water molecule



carbon dioxide
molecule

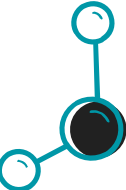
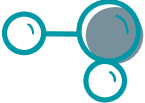




WHAT IS A COMPOUND?

Compounds are pure substances - they contain only one type of particle.

Sugar is a compound. Distilled (pure) water is a compound. Is lemonade a compound?



ELEMENT
VS
COMPOUND



<https://www.youtube.com/watch?v=olNaHLbd8zg>