

# MATTER



## Pure substances

Consist of one type of atom or molecule

## Mixtures

Consist of different types of molecules and atoms

### Elements

Consist of one type of atom

### Compounds

Consist of atoms or diatomic molecules

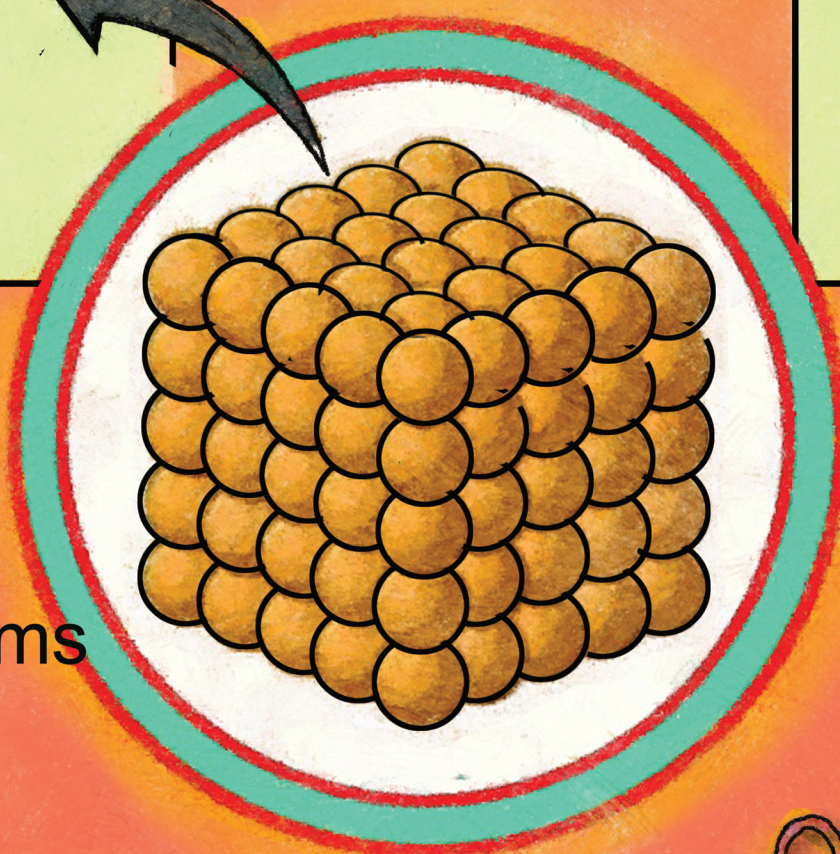
### Homogenous mixtures

### Heterogenous mixtures



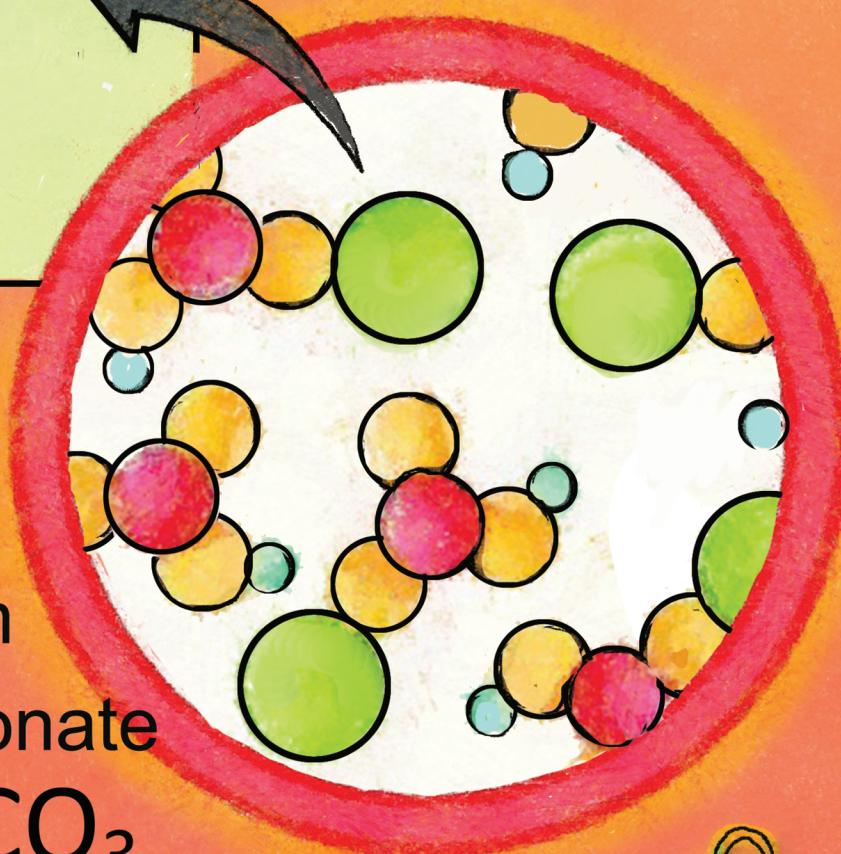
Copper is a metal element.

Copper atoms  
Cu

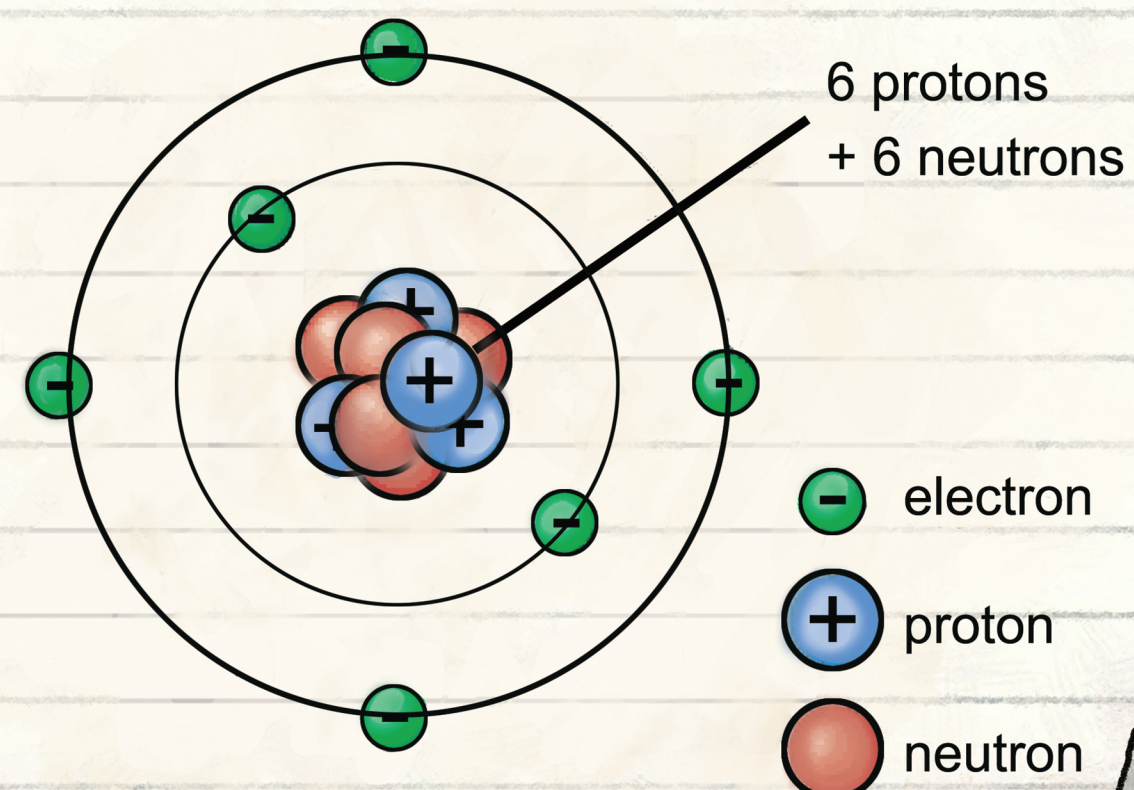


Bicarbonate of soda is the common name for sodium bicarbonate.

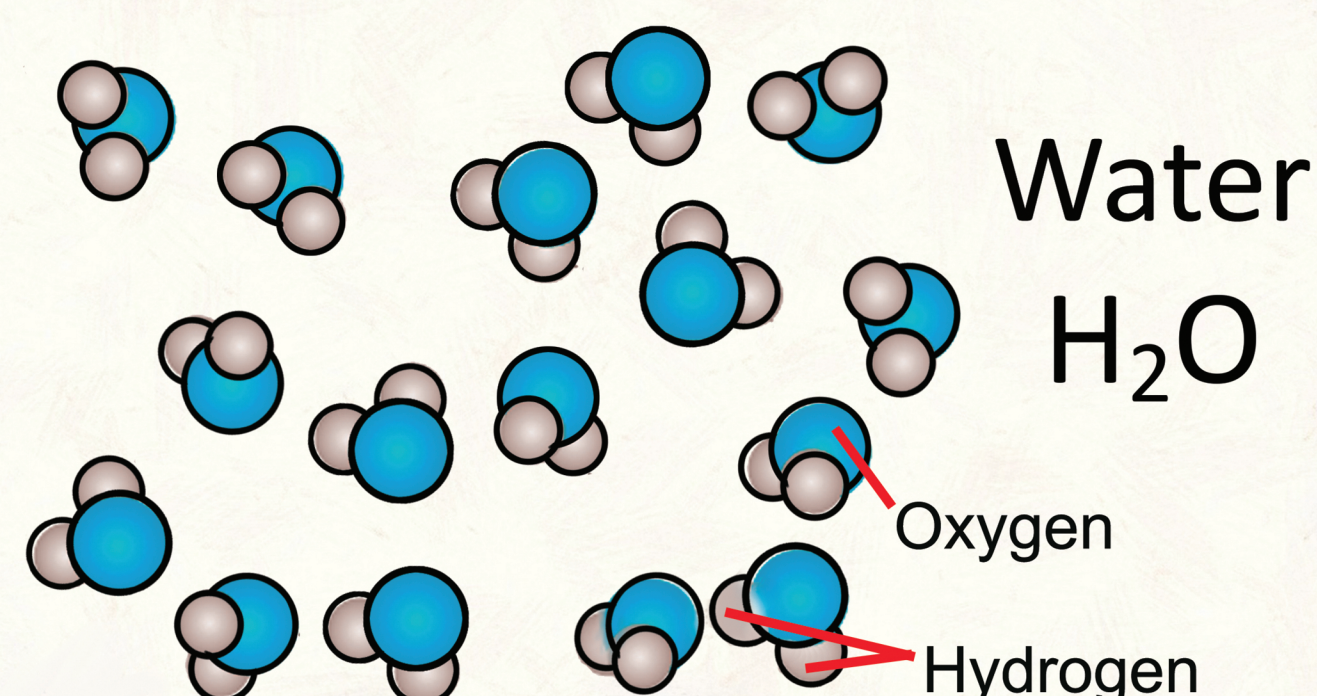
Sodium Bicarbonate  
NaHCO<sub>3</sub>



Atoms are the smallest particles that cannot be broken down.



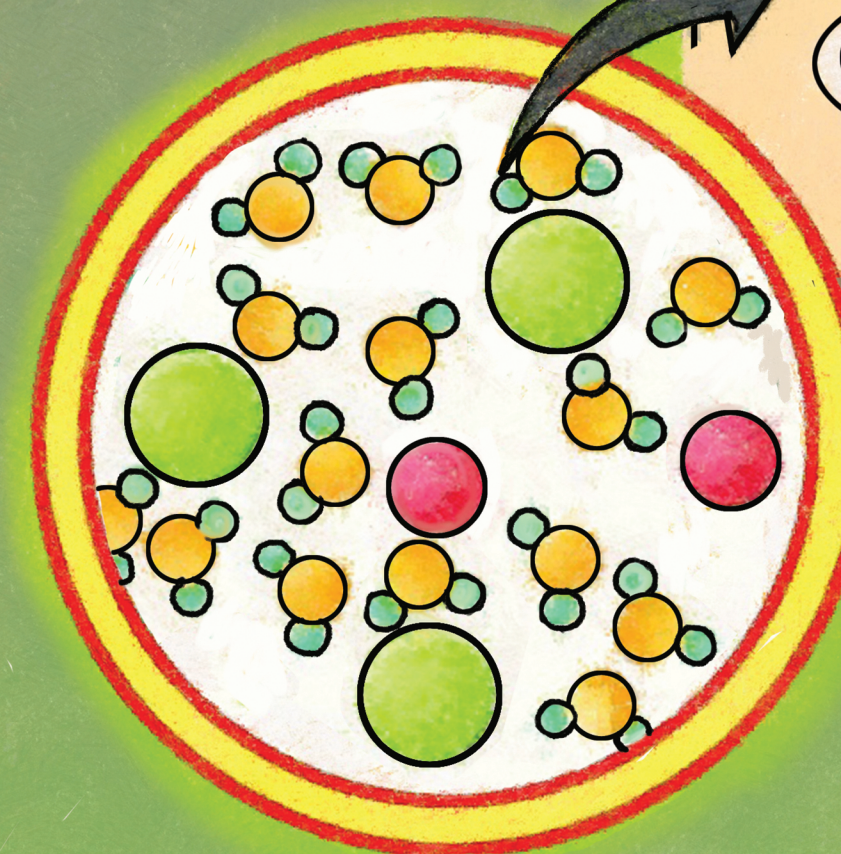
Molecules are particles that consist of atoms that are chemically combined in a fixed ratio.



Iced tea mixture



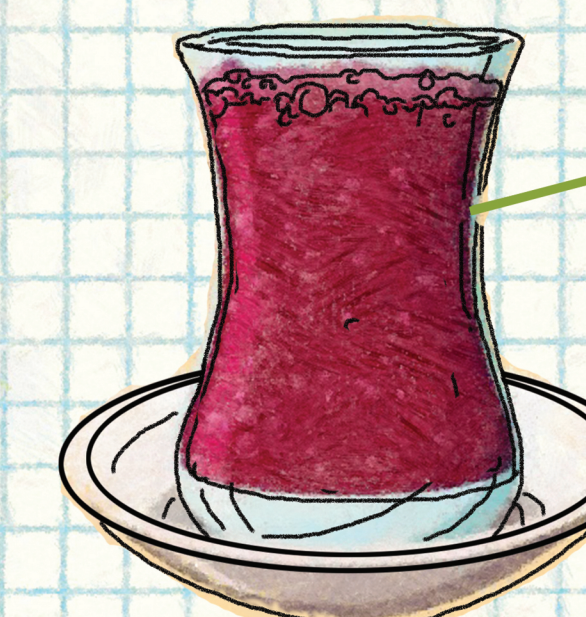
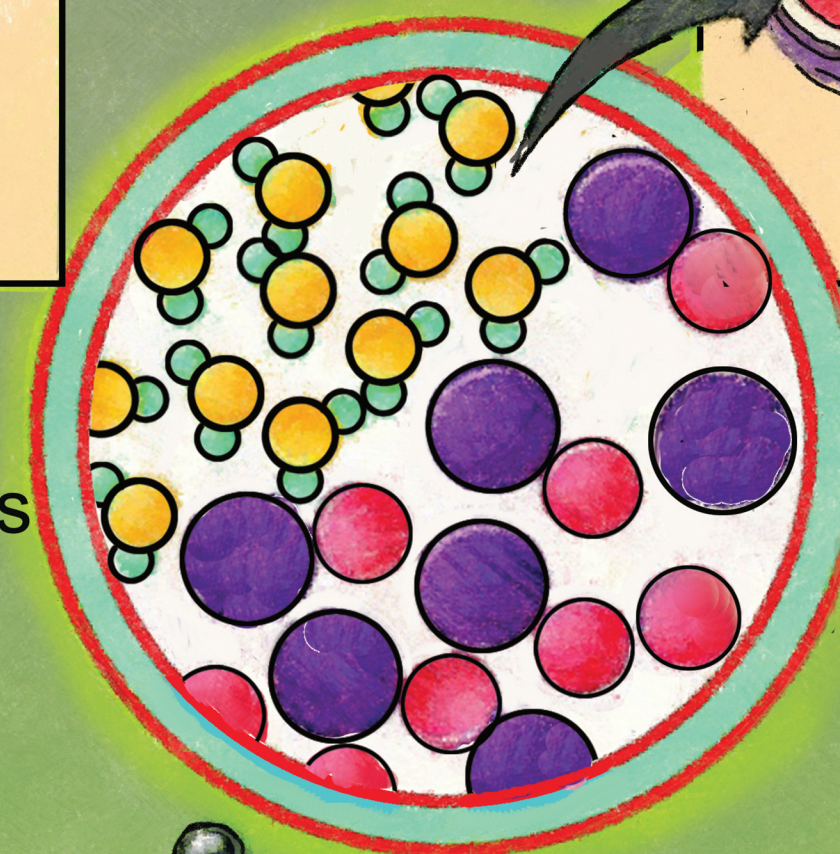
Mixture of tea molecules, sugar molecules and water molecules.



Figs with fibre and pips

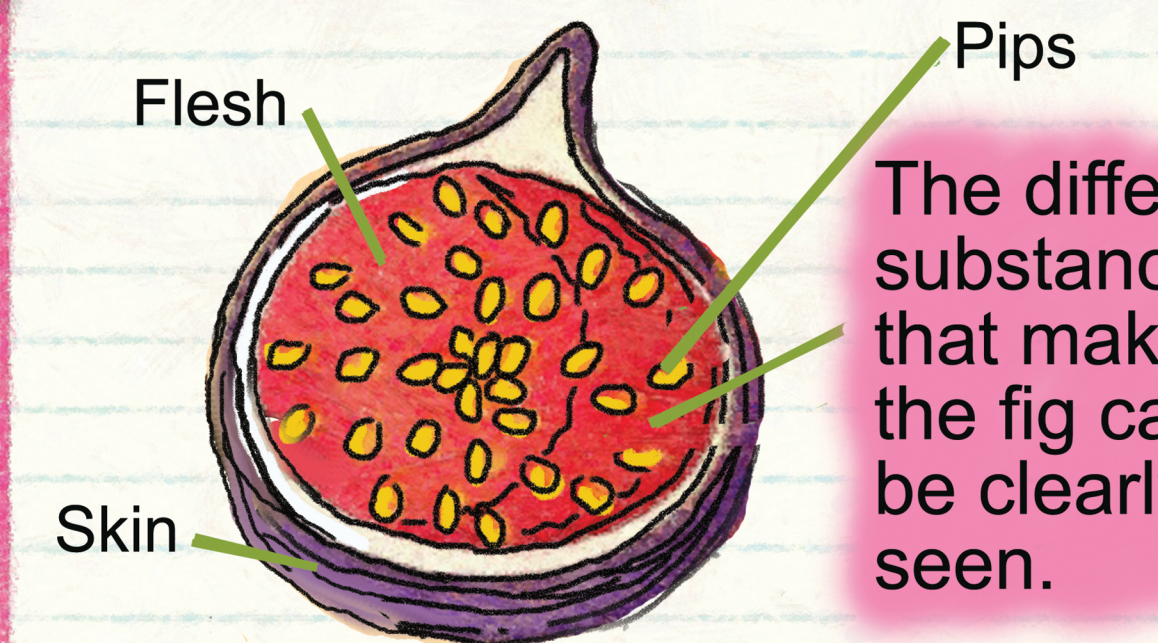


Mixture of fig molecules, water molecules and pip molecules.



The iced tea mixture is one colour and consistency even though it consists of several different substances.

In a homogeneous mixture the different substances that make up the mixture are not visible.



The different substances that make up the fig can be clearly seen.

In a heterogeneous mixture the different substances that make up the mixture are visible.