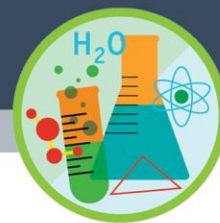




Grade 9



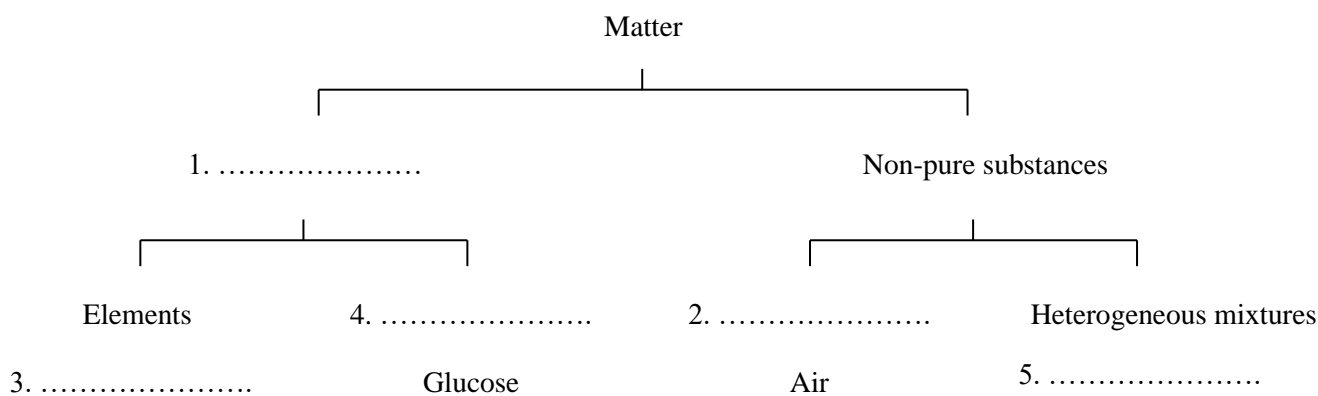
SCIENCE



Activity I

(A) Choose the words from the brackets and complete the following chart.

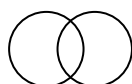
(Fruit salad, sodium, compounds, pure substances, homogeneous mixtures)



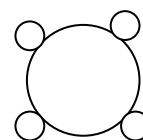
(B) Mention the differences between elements and compounds.

Elements	Compounds

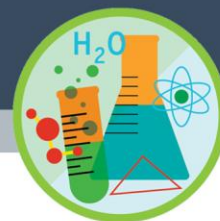
(C) Identify and name the following molecules.



.....
Examples:



.....
Examples:



(D) Name the elements present in the given compounds.

$C_6H_{12}O_6 =$

$CuSO_4 =$

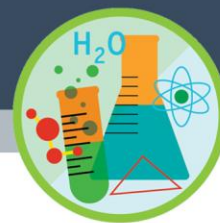
$NaCl =$

$CaCO_3 =$
.....

(E) State the name and the symbol of the given elements.

Element	Symbol
Silicon	
Boron	
Bromine	
Calcium	
Hydrargyrum	

Element	Symbol
	Na
	Pb
	Fe
	Au



Activity II

(A) Complete the following table with the knowledge you have related to the atomic structure, properties and features of the subatomic particles.

Sub atomic particle	Location	Mass	Charge	The person who discovered
Electrons				
Protons				
Neutrons				



Name **A** and **Z**

A

B

(C) Complete the following table.

Element	Protons (P)	Electrons (e)	Neutrons (n)	Mass number(A)
$\begin{matrix} 23 \\ 11 \\ \mathbf{Na} \end{matrix}$
$\begin{matrix} 35 \\ 17 \\ \mathbf{Cl} \end{matrix}$
$\begin{matrix} 16 \\ 8 \\ \mathbf{O} \end{matrix}$

Translated by: Nayomi Wijesooriya