

Ch-4 Elements, compounds, Symbols and formulae

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Q- Define a pure substance. Name the type of pure substances you know?

Ans. Any substance is said to be pure if and only if it is made up of single type of particles means all the particles of that substance could be of same chemical nature. For example, water, sugar, salt, sodium, Tin etc. There are two types of pure substances that are two types of pure substances that are elements and compounds.

- Q- Give two examples for each of the following
- Metals - Iron, Gold
 - Non-Metal - Nitrogen, Carbon
 - Metalloids - Boron, Silicon
 - Noble gases - Helium, Argon

6. Name the elements which form water. State three characteristics of water to justify that it is a compound.

Ans. Water is a compound because compounds are made up of different elements in fixed proportion by mass. Likewise, in water molecule, hydrogen and oxygen

Form - Component H2O in the reaction.

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