

Homework

Ex-1

3. A substance of a definite composition ~~which~~ which has consistent properties ~~also~~ throughout, is called a pure substance. Pure substances are of two types, i.e., elements and compounds.

5. (a) Metals: Eg: Copper, tungsten, gold, etc.
(b) Non-metals: Eg: Carbon, sulphur, phosphorus, etc.
(c) Metalloids: Eg: boron, antimony, arsenic, etc.
(d) Noble gases: Eg: helium, neon, argon, etc.

6. Hydrogen and oxygen are the elements which form water. Water is a compound because:

1. Water is represented by a formula, i.e., H_2O .
2. Water is composed of two elements.

7.

Metals

- They are lustrous.
- They are good conductors of heat and electricity.
- They are malleable.
- Ex - Gold, iron, copper, etc.

Non-metals

- They are dull.
- They are bad conductors of heat and electricity.
- They are brittle.
- Ex - Carbon, sulphur, phosphorus, etc.