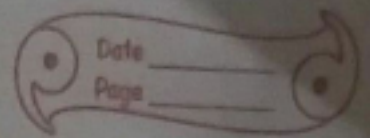


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3. A substance of a definite composition which has consistent properties throughout is called a pure substance.

two

The types of pure substance are elements and compounds:

Ex of Metals - iron, copper

Ex of Non-metals - Sulphur, iodine

Ex of Metalloids - Antimony, boron

Ex of Noble Gas - helium, neon

6. Water, marble, glucose, sugar, salt, alcohol, carbon dioxide, calcium, nitrogen are the elements which form water.

The three characteristics of water to justify that it is a compound are:

- i - The 26 English alphabets make huge numbers of words with different combination you read in a dictionary.
- ii - The ten digits from 0-9 make infinite sets of numbers.
- iii - Only a few basic units (building blocks) make a large number of objects and materials with various combination.

## Metal

- Metals are minerals or substances that form naturally below the surface of the Earth.
- Metals are shiny and polished.
- Conduct electricity
- Can stretch

## Non metal

- A Nonmetal is a chemical element that mostly lacks the characteristic of a metal
- Non-metal are not shiny and polished.
- Don't Conduct electricity.
- Can't stretch