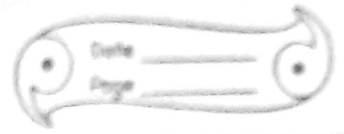


Hw
4/7/2021

Is Matter Around Us
Pure?



(Odm Connid)

Q1. Give five differences between elements & compounds.

Compounds

- ⇒ It consists of two or more elements that are chemically combined in a fixed proportion.
- ⇒ The components of a compound cannot be separated by chemical & electrochemical methods.
- ⇒ A compound contains atoms of different elements chemically combined together in a fixed ratio.
- ⇒ A compound is represented using a formula.
- ⇒ A compound is made up of the same type of molecules.

Elements

- ⇒ It consists of only 1 kind of atoms.
- ⇒ Element can't be broken into two or more simpler substances by physical & chemical means.
- ⇒ An element is represented using symbols.
- ⇒ An Atom is the smallest unit that shows all the properties of an element.

2. The constituents of compounds can't be separated by physical means only by certain chemical means.
Justify.

A mixture is a material containing two or more elements or compounds that are in close contact & are mixed in any proportion. For ex. air, sea water, crude oil, etc. The constituents of a mixture can be

Separated by physical means like, evaporation, sublimation & magnetic separation.

