

HW

1) Give give major difference between elements and compounds?

### Elements

- 1) Homogeneous in nature
- 2) They have definite melting & boiling point
- 3) Can be broken into simpler form
- 4) Occur in three state Solid, liquid, gas
- 5) Remain in atomic or molecular form

### Compounds

- 1) have definite melting & boiling point
- 2) constituents of compound can't get separated by physical means except by few chemical method
- 3) upon bonding of nature compounds - ionic, covalent
- 4) They are composed of molecules

Why  $H_2O$  is a compound &  $H_2$  &  $O_2$  element?

~~Answer~~

$H_2O$  consists of hydrogen & oxygen which are both independent elements combined together in fixed ratio to form  $H_2O$ .

But  $O_2$  & ~~and~~  $H_2$  is pure substance composed of one type of atom.