

## ORGANIC (CHEMICAL FORMULA)

1. Count number of carbons to get parent name
2. If a hydrocarbon, either alkane or alkene
3. If halogens in compound, put names in front of parent name (prefixes if >1)
4. If -OH on molecule, then it's an alcohol and add -ol ending
5. If -CO<sub>2</sub>H group present, it's an organic acid and add -oic acid ending
6. If -NH<sub>2</sub> group present, it's an amine and put amino in front of parent name

## HYDRATES

**Ionic compounds with water molecules attached**

**Name ionic compound as usual, for water,  
put hydrate at the end with prefix for number of water**

## INORGANIC ACIDS

**Hydrogen ion (H<sup>+</sup>) is the cation in acid compounds**

**Halogen anion**

**name =  
hydro + halogen + ic acid ending**

**Polyatomic anion**

**If anion ends in -ate,  
name ends with -ic acid**

**If anion ends in -ite,  
name ends with -ous acid**