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| **Ionic Compounds** | **Molecular compounds** |
| Consist of a metal and non-metal | Consists of non-metals |
| Formula unit – simplest collection of atoms in which it forms an ionic compound, i.e. NaCl or CuCl2 | Molecule is the simplest unit and is a discreet group of atoms that are bonded together, i.e. N204 |
| Conducts electricity (if soluble) in a solution, or melted. | Does not conduct electricity |
| Relatively strong (ionic) bonds between ions when compared to bonds between molecules | Relatively weak (molecular) bonds between molecules when compared to ionic bonds |
| Relatively higher melting point and boiling point when compared to molecular compounds | Relatively low melting point and boiling point when compared to ionic compounds |