## **Covalent Compounds**

25 November 2019

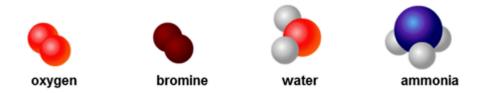
10:15

Since covalent bonds are about donating/receiving electrons covalent compounds tend to be made of small molecules.

However, there are some enormous molecules called polymers.

Additionally you can get giant covalent molecules like diamond and silicon dioxide

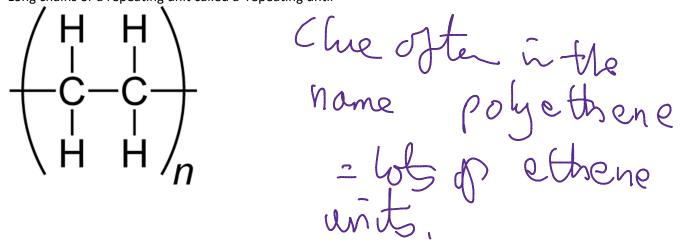
## **Properties of Simple Covalent Molecules**



These have strong bonds between the atoms that make up the bonds between the atoms, but tend to have very weak forces between the molecules and so have low mpt/bpt. As the molecules get bigger so the intermolecular forces go up along with the mpt/bpt. They don't conduct electricity

## **Polymers**

Long chains or a repeating unit called a 'repeating until'



## **Giant Covalent**

All atoms joined with strong covalent bonds. So high mpy/bpt. No free ions so can't conduct.

