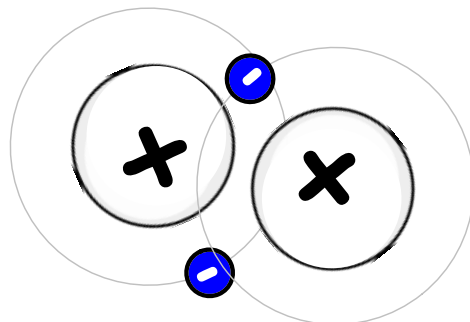
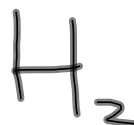


Molecular Compounds

- some compounds form because of 'sharing' of their electrons rather than completely transferring them
- typically tend to be combinations of non-metals with other non-metals



hydrogen
atom



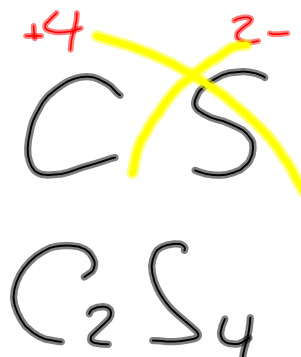
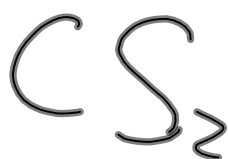
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Writing Formulas for Molecular Compounds

Ex: How would you write the formula for a compound formed by carbon and sulfur?

- 1) Write the symbols with the leftmost element first, including the valences.
- 2) Criss-Cross the valences
- 3) Reduce the subscripts if possible



Oct 19-8:05 PM

Naming Molecular Formula

-most have common names we are familiar with;

Ex, water (H_2O), ammonia (NH_3), hydrogen peroxide (H_2O_2)

-many use **prefixes** to build the name

Prefix	Number
mon(o)-	1
di-	2
tri-	3
tetra-	4
penta-	5



carbon monoxide \dashrightarrow CO

CO_2 \dashrightarrow