

# GENERAL CHEMISTRY

## STANDARD 6.4

**6.4: Write molecular formulas from the names and numbers of the atoms present**

# of Atoms	Greek Prefix	# of Atoms	Greek Prefix
1	mono (omitted from first element)	6	hexa
2	di	7	hepta
3	tri	8	octa
4	tetra	9	nona
5	penta	10	deca

When working with molecular (covalent) compounds, you will be given the number of each element in the compound. **DO NOT USE THE CRISS-CROSS METHOD!** Simply write the formula with the indicated numbers of each element.

# Writing Molecular Compounds

- Disulfur Pentoxide  $\rightarrow$   $S_2O_5$
- Xenon Hexafluoride  $\rightarrow$   $XeF_6$
- Dichlorine Heptaoxide  $\rightarrow$   $Cl_2O_7$