## Oxidation Numbers

You must know the rules and be able to use them to assign oxidation numbers to any atom.

- 7. C in CH<sub>4</sub>
- 8. Mn in MnO<sub>2</sub> ++
- 9. S in  $SO_3^{2-}$
- 10. Cr in Cr<sub>2</sub>O<sub>7</sub><sup>2</sup>-
- 11. Cl-
- 12.02
- 13. P4 D
- 14. Na in Na<sub>2</sub>S
- 15. S in H<sub>2</sub>S
- 16. Ca<sup>2+</sup> +2
- 17. C in CN-

Empirical and Molecular formula calculations Be able to use % composition to determine the formula of a compound

Write the empirical formula for the following compounds.

Just reduce subscripts

19) 
$$C_8H_{18}$$
  $C_4H_9$  20)  $WO_2$   $WO_2$