## 7. PERCENT COMPOSITION

CH30S

UNIT 1 – ELEMENTS & COMPOUNDS

## LAW OF DEFINITE PROPORTIONS



Joseph-Louis Proust

 $2H_2O \rightarrow 2H_2 + O_2$ 

 $100 \text{ g} \rightarrow 11 \text{ g} + 89 \text{ g}$ 

In other words...

 Waters <u>mass</u> composition is <u>ALWAYS</u> 11% H : 89% O

 Waters <u>mole</u> composition is <u>ALWAYS</u> 2 moles H : 1 mole O

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