

GROUP PRACTICE Balancing

- Hydrogen and Oxygen produce Water *Molec. Synthesis Rxn.*

$$2\text{H}_2 + \text{O}_2 \rightarrow 2\text{H}_2\text{O}$$
- Calcium and Chlorine gas produce Calcium Chloride *+2 = -1 Ionic Synthesis*

$$\text{Ca} + \text{Cl}_2 \rightarrow \text{CaCl}_2$$
Already Balanced
- Aluminum and Oxygen gas produce aluminum oxide *+3 = -2 Ionic Synthesis*
~~sketch~~
$$4\text{Al} + 3\text{O}_2 \rightarrow 2\text{Al}_2\text{O}_3$$
~~$$\text{Al}_2\text{O}_3$$~~
is simplest
- Copper metal and Iron(III)oxide produce Iron and Copper(II)oxide *+2 = +3 = -2 Ionic*

$$2\text{Cu} + \text{Fe}_2\text{O}_3 \rightarrow 2\text{Fe} + \text{Cu}_2\text{O}_3$$

Apr 8-3:13 PM