

# Noteset 4C (Part 3) - In Class Noteset

## Combination Reactions with Polyatomic Ions

### Polyatomic Ions

An ion (+ or -) containing two or three elements

$\begin{array}{c} \text{ClO}_3^- \\ \diagdown \quad \diagup \\ 1\text{Cl} \quad 3\text{O} \end{array}$	$\frac{\text{Na}}{\text{A}} \frac{\text{ClO}_3}{\text{B}}$	$\frac{\text{Al}}{\text{A}} \left( \frac{\text{ClO}_3}{\text{B}} \right)_3$
$\begin{array}{c} \text{SO}_4^{2-} \\ \diagdown \quad \diagup \\ 1\text{S} \quad 4\text{O} \end{array}$	$\frac{\text{Na}_2}{\text{A}} \frac{\text{SO}_4}{\text{B}}$	$\frac{\text{Al}_2}{\text{A}} \left( \frac{\text{SO}_4}{\text{B}} \right)_3$

### Combination Reactions w/ Poly Ions



