

Combination Reactions

Combination Reaction

A chemical reaction where two single atoms or ions combine together to produce a single compound or molecule

Reactants and Products

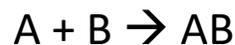
Reactants A and B

Individual atom that combine together

Product AB

Ionic Compound or Covalent Molecule formed from combination reaction

Combo Reaction



Reactant A	Reactant B
Representative Metals	Representative Non-Metals
Transition Metals	Negative Polyatomic Ions
Positive Polyatomic Ions	

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Combination Reactions

Rep. Metal

(1A, 2A, Al, Si)

1A: +1 2A: +2

Al: +3 Si: +4

Trans. Metals

(1B-8B + In, Tl, Sn, Pb)

Variable Charge
(changing)
given charge

Non-Metals

(4A - 8A)

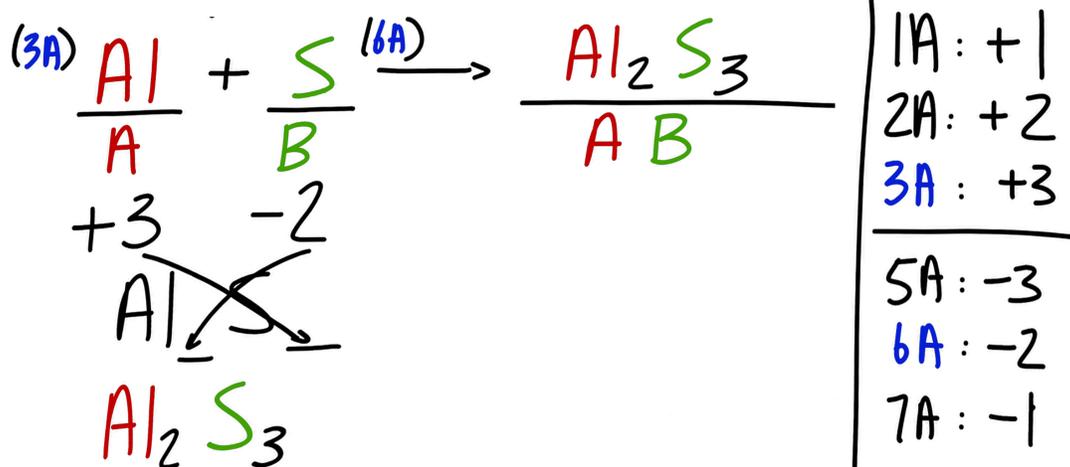
4A: -4 5A: -3

6A: -2 7A: -1

Polyatomic Ions
Charge Given

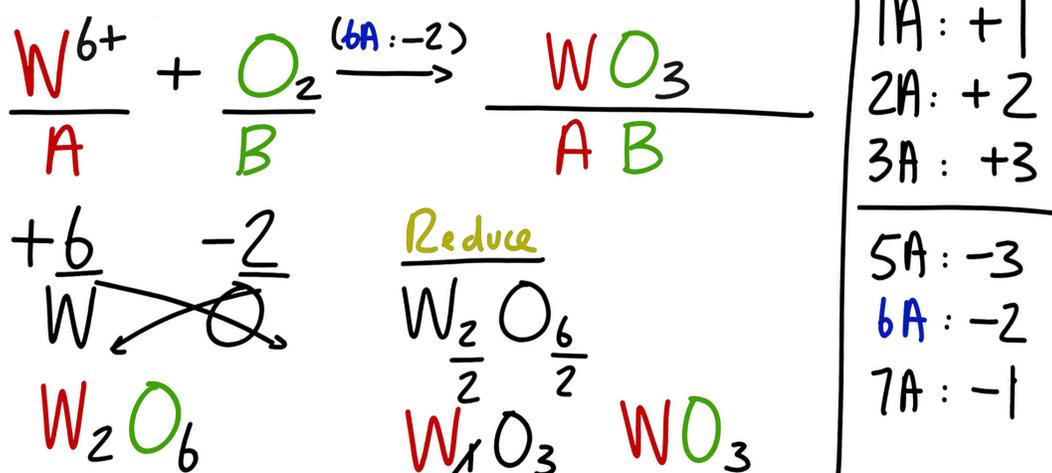
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Writing Combination Reactions



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