GROUP 2

Elements
- magnesium
- calcium
- strontium
- barium

Oxides
- MgO
- CaO
- SrO
- BaO

Hydroxides
- Mg(OH)₂
- Ca(OH)₂
- Sr(OH)₂
- Ba(OH)₂

Basic

React with acids
- MgO + H₂SO₄ → MgSO₄ + H₂O
- Ca(OH)₂ + 2HCl → CaCl₂ + 2H₂O

Increasingly soluble
- Mg(OH)₂ to Ba(OH)₂

Affect indicators
- Universal indicator blue

Carbonates
- MgCO₃
- CaCO₃
- SrCO₃
- BaCO₃

Decompose when heated
- BaCO₃ → BaO + CO₂

More difficult to decompose
- MgCO₃ to BaCO₃

Less soluble
- MgCO₃ to BaCO₃