Revision Notes on s-Block Elements:

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•	The corresponding salts of other alkali metals are stable towards heat.
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$$Na_2CO_3 + H_2O + CO_2 \rightarrow 2NaHCO_3$$

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$$Na_2CO_3 + SiO_2 \rightarrow Na_2SiO_3 + CO_2$$

$$\bullet \quad Na_2CO_3 + 2H_2O \longrightarrow H_2CO_3 + 2NaOH$$

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•	Physical	Properties	of Alkali	Earth	Metals:
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 $M \rightarrow M^{+2} + 2e^{-}$

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•	The oxides and hydroxides of both Be and Al are amphoteric and dissolve in sodium hydroxide as well as in hydrochloric acid.
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• Like Al, Be is not readily attacked by acids because of the presence of an oxide film

$$\begin{array}{c} \text{CaSO}_4 \cdot 2\text{H}_2\text{O} \xrightarrow{\text{Heating}} \quad \text{CaSO}_4 \cdot \text{H}_2\text{O} \xrightarrow{\text{Setting}} \quad \text{CaSO}_4 \cdot \frac{1}{2} \text{H}_2\text{O} \xrightarrow{\text{200°C}} \quad \text{CaSO}_4 \\ \text{Gypsum} \\ \text{(Monoclinic)} & \text{Plaster of Paris} \end{array}$$

Uses

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- Calcium oxide is called lime or quick lime. It main industrial uses are
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