**Group 2 Metals Research Task:**

Do some research and write a short paragraph about the uses of Group 2 metals in the following applications. You can include equations if you wish.

1. How is Mg involved in the extraction of Titanium?
2. Why do plants need a supply of magnesium ions to survive?
3. What is ‘milk of magnesia’ used for?
4. What is a ‘barium meal’?
5. How is calcium hydroxide used in the farming/agricultural industry?
6. Which compound containing a group 2 metal is used to test for the presence of sulphate ions? Give its chemical formula.
7. Which compound containing a group 2 metal is used to test for the presence of carbon dioxide gas? Give its chemical formula.