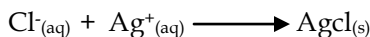
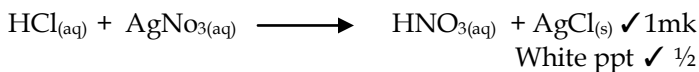


# CHLORINE AND ITS COMPOUNDS

## MARKING SCHEME

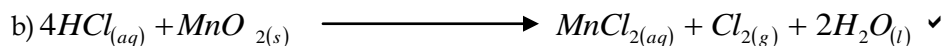
1. i) Anhydrous calcium chloride  
ii) A white ppt is formed  
HCl gas forms  $\text{Cl}^-$  ions solution which react with silver ions to form silver chloride which is insoluble

OR



- 2.a) Potassium manganate VII ( $\frac{1}{2}$ )  
Manganese IV Oxide ( $\frac{1}{2}$ ) *Any two 1mk*  
Lead IV Oxide ( $\frac{1}{2}$ )  
b) It is a bleaching agent

3. a) Oxidizing agent  $\checkmark$



4. a)  $2\text{OCl}_{(aq)} \longrightarrow 2\text{Cl}_{(aq)} + \text{O}_{2(g)} \checkmark 1$

- b) Time candle brightness  $\checkmark 1$   
Colourless liquid (droplets) forms on walls  $\checkmark 1$   
c) polypropene  $\checkmark \frac{1}{2}$   
ropes  $\checkmark \frac{1}{2}$   
Polytetraflouroethene Tetraflouroethene  $\checkmark \frac{1}{2}$

Making