

Date: - 25 Aug 2018

Section A

1. Anhydrous sodium carbonate (Na_2CO_3) which contains no water of crystallisation is known as soda ash.
2. Nephron is the unit of human kidney.

Section B

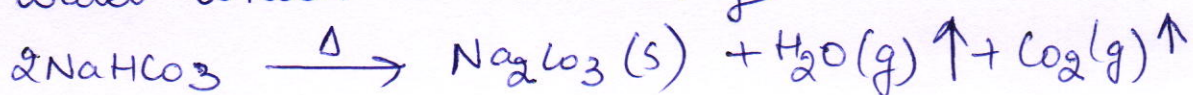
3. The response involved in this action is Reflex action. It is the automatic response to stimulus.

4. Hind Brain consists of following parts
(i) Pons (ii) Cerebellum (iii) Medulla.

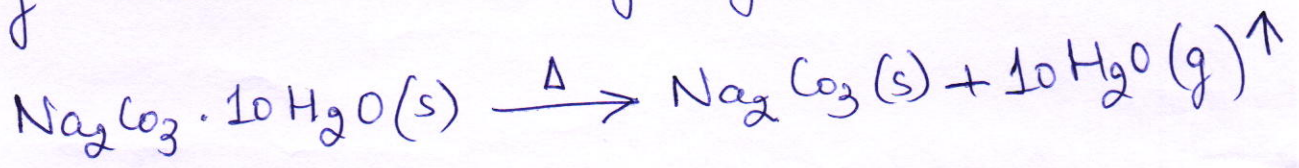
* Cerebellum regulates body balance and posture.

5. Section C

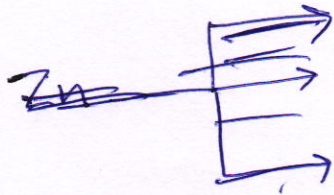
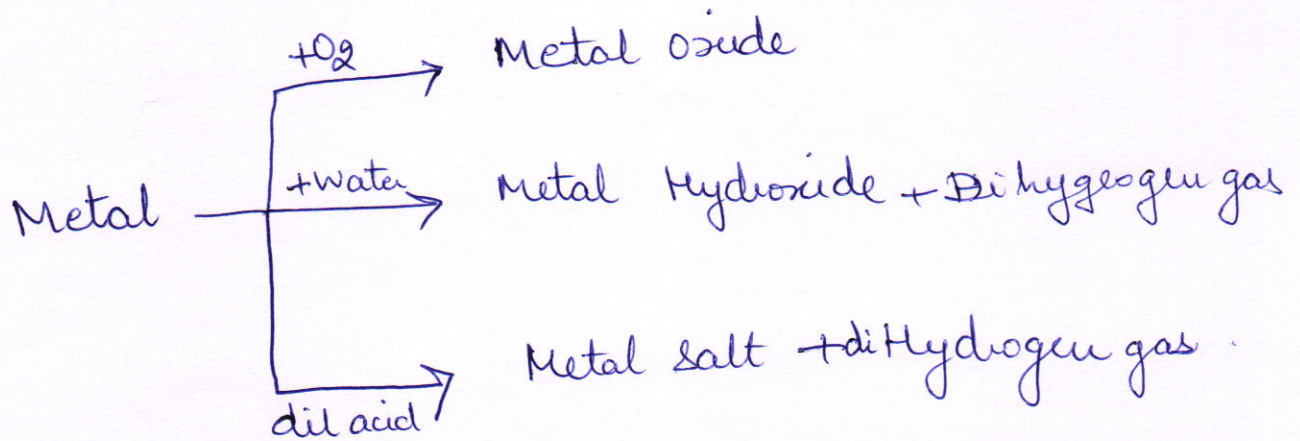
10. Baking powder contains sodium hydrogen carbonate (NaHCO_3). On heating, it decomposes to give out CO_2 gas which can be tested by passing through lime water which turns milky.



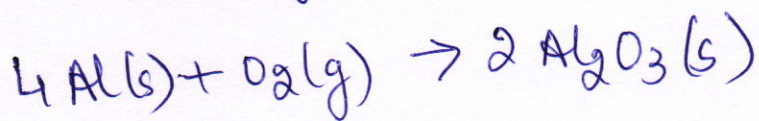
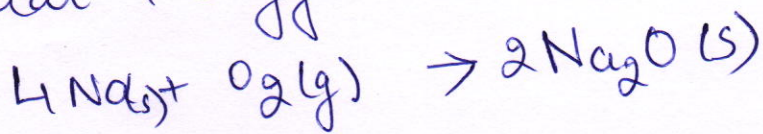
Washing soda is $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$. It does not decompose on heating to give out CO_2 gas. It simply loses its water of crystallisation.



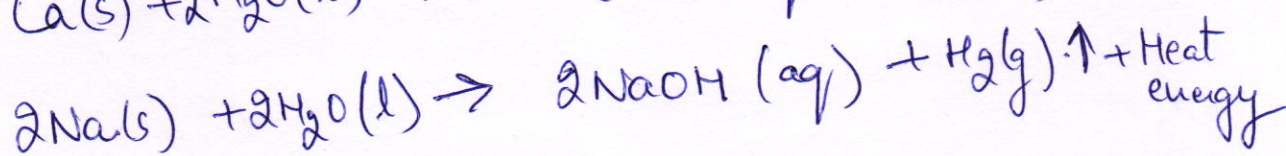
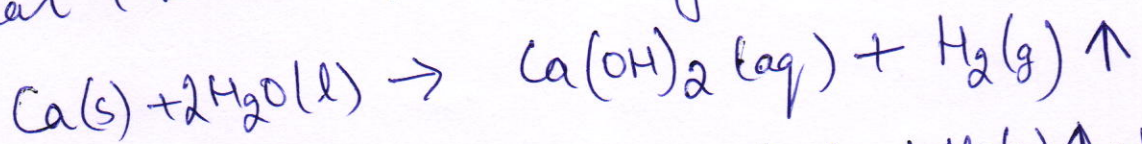
9.



1. Metal + Oxygen → Metal oxide



2. Metal + water → Metal Hydroxide + Hydrogen



3. Metal + dil acid → Metal salt + Hydrogen

