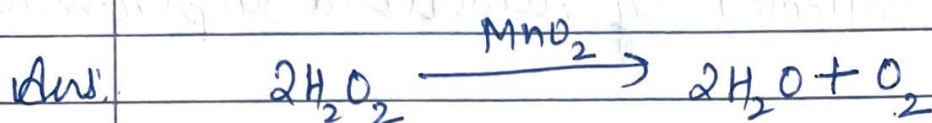
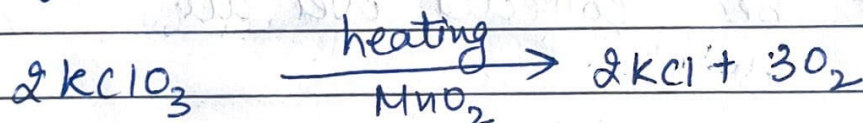


TENDER HEART HIGH SCHOOL, SEC-33B, CHD.

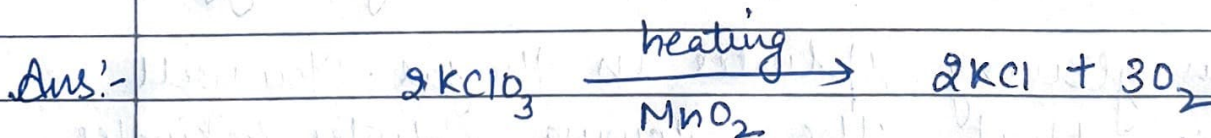
CLASS - VII
CHAPTER - 7SUBJECT - CHEMISTRY
TEACHER - ANAMIKAQ1 a) Taking H_2O_2 , how would you prepare oxygen in the lab?

(b) What is the role of manganese dioxide in the preparation of oxygen?

Ans:- MnO_2 act as a catalyst in the preparation of oxygen from $KClO_3$



(c) Write the balanced chemical equation for the above chemical reaction?

(d) Why is H_2O_2 preferred in the preparation of oxygen gas?

Ans:- Because:

1. No heating is required

2. The rate of evolution of O_2 is moderate & therefore under control.

3. H_2O_2 is safe chemical & also called as Oxygenated Water.

e) Why oxygen collected by downward displacement of water?

Ans: 1. Oxygen is only slightly soluble in water (0.7% of only). Therefore, it can be collected over water without fear of excessive dissolution.

2. Oxygen is slightly heavier than air, so it cannot be collected over air.

f) What happens when a glowing splinter is introduced in a jar containing oxygen?

Ans:- When glowing splinter is in the jar. You will notice that the glowing splinter rekindles but the gas does not catch fire.



(g) what happens when oxygen gas is passed through alkaline pyrogallol solution?

Ans:- In alkaline or basic solution, red litmus changes into blue colour but blue litmus does not change its colour.