Chemistry Formula Sheet

Chapter by chapter, topic by topic. Written by the PadhoNa team for quick revision.

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CHAPTER 33

Practical Chemistry

Detection of elements and groups

LASSAIGNE'S TEST

$$\text{N: Prussian blue;}\ \ \text{S: violet with sodium nitroprusside;}\ \ \text{halogens: AgX precipitate}$$

Salt analysis and titrations

$$\text{group reagents: dil. HCl } (Pb^{2+}, Ag^{+});\ H_2S \text{ in acid } (Cu^{2+}, Cd^{2+});\ NH_4OH\ (Fe^{3+}, Al^{3+})$$

$$\text{titration: } N_1V_1 = N_2V_2; \qquad \text{phenolphthalein for strong base, methyl orange for strong acid}$$

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