

Date Planned : __ / __ / __	Daily Tutorial Sheet-13	Expected Duration : 30 Min
Actual Date of Attempt : __ / __ / __	Level-3	Exact Duration : _____

147. Which of the following is true ? ▶

- (A) sodium when heated in excess of oxygen gives sodium oxide
 (B) oxidation state of oxygen in KO_2 is -1
 (C) sodium amalgam is better reducing agent than hydrogen
 (D) sodium nitrate on heating gives nitrogen dioxide

*148. Bicarbonate(s) which exist(s) in solid form :

- (A) NaHCO_3 (B) KHCO_3
 (C) NH_4HCO_3 (D) $\text{Ca}(\text{HCO}_3)_2$

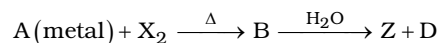
*149. When KO_2 reacts with water, the products are : ▶

- (A) KOH (B) H_2O_2
 (C) K_2O_2 (D) O_2

*150. Which of the following ionic compound is paramagnetic and coloured ? ▶

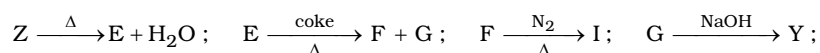
- (A) KO_3 (B) KO_2
 (C) NO_2 (D) KNO_3

Paragraph for Q. 151 to 152 ▶



(A gives bricks red colour to flame)

(X_2 is relatively inert in group 15)



151. Compound I is :

- (A) Ca_3N_2 (B) CaCN_2
 (C) CaC_2 (D) $\text{Ca}(\text{CN})_2$

152. Compound F on hydrolysis gives :

- (A) HCOOH (B) C_2H_2
 (C) NH_3 (D) CH_4