

Chemistry

Std 9

Assignment no. 3

Chapter: Hydrogen

Q1. Why zinc and aluminium are considered to have unique nature ? Give balanced equations to support your answer.

Q2. Write balanced equations for the following:

(i) Iron reacts with dil. HCl

(ii) Zinc reacts with caustic soda solution

(iii) Aluminum reacts with fused sodium hydroxide.

Q3. Why zinc is preferred for the preparation of Hydrogen in the laboratory ?

Q4. Write balanced equations and give your observations when the following metals react :

(i) Sodium with cold water

(ii) Calcium with cold water

(iii) Magnesium with steam