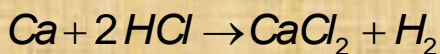
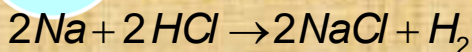


Chapter 3

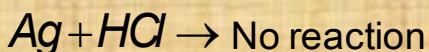
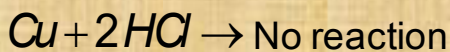
METALS AND NON-METALS

Reaction of metals with acids:

- Generally metals react with acids to give salt and hydrogen gas. But, all the metals cannot react with acids to give H_2 .
- It depends upon the reactivity of the metals. More reactive metals like Na, K and Ca react with dilute acids vigorously to release H_2 gas.



But, less reactive metals like Cu, Ag, Au and Pt do not react with dilute acids to give H_2 gas.



Note:

- Copper metal reacts with HNO_3 to give NO or NO_2 . In this reaction, HNO_3 is a strong oxidizing agent. HNO_3 oxidises copper metal.

Note:

- Metals like Mg and Mn react with very dilute HNO_3 to release H_2 gas.

