

1. ^{Found} Write the sources where the following acids are formed:
: formic acid, malic acid and oxalic acid

A formic acid: Ant or Bee's sting, used in tanning leather

malic acid: Apple, etc.

oxalic acid: Spinach, tomato, etc.

2. Distinguish between alkalis and bases. Give two examples each.

A Alkalis are the water soluble bases. Ex: KOH, NaOH

Substances that taste bitter and soapy in touch are called

Bases. Ex: CaO, NaHCO₃.

3. What is the nature of CO₂ and NH₃ gases?

A Carbon dioxide (CO₂)

- colorless gas

- ~~It is~~ In sufficient amount, it is acidic in nature

- at sufficiently, it has sharp, acidic odor.

Ammونيا^{gas} (NH₃)

- colorless gas

- distinct odor composed of Nitrogen and hydrogen atoms

- Naturally produced in human body and in nature

- It is basic in nature.