

1. Write the sources where the following acids are found

- (i) formic acid - ant's sting
- (ii) malic acid - apple
- (iii) oxalic acid - tomato

2. Distinguish between alkali and bases.

Bases

- do not dissolve in water
- all bases are not alkali
- it neutralizes acids
- ex: $ZnOH$, CaO

Alkali's

- dissolve in water
- all alkali are bases
- releases OH^- ions
- Ex - KOH , $NaOH$

3. What is the nature of CO_2 and NH_3 gases?

Nature of CO_2 is acidic and NH_3 is basic in water