

1. Coenzymes are cofactors that are loosely bound to the enzyme. They are organic in nature.

2.(a) Water soluble vitamins are soluble in water whereas fat soluble vitamins are soluble in fat

(b) Absorption of Water soluble vitamins are simple whereas absorption of fat soluble vitamins are carried along with lipids

(c) Excess intake of water soluble vitamin is nontoxic whereas excess intake of fat soluble vitamin is toxic.

3. Niacin functions as part of a coenzyme involved in the metabolism of carbohydrates and acts to catalyze the oxidation of sugar derivatives and other substances.