

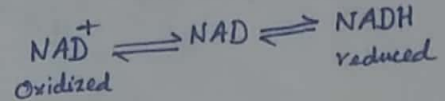
Asked for adsorption

Vitamins: vitamins derived coenzymes
NAD and coenzyme A.

NAD = nicotinamide adenine dinucleotide.

derived from vitamin B3

involves in electron transport chain in citric acid cycle that occurs in mitochondria. *



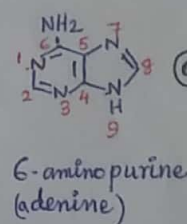
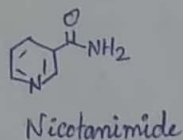
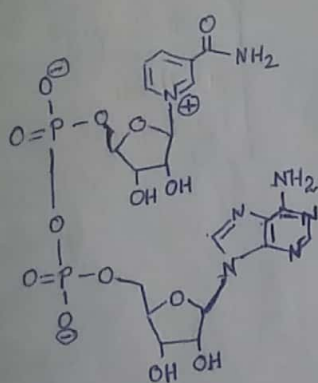
Coenzyme A: = also known as acetyl Co-A.

naturally derived from Vitamin B5.

initiates citric acid cycle for the production of ATP. *

Non-Vitamin Coenzyme: example adenosine triphosphate, most widely distributed coenzyme in the body. *

* structure of nicotinamide adenine dinucleotide (NAD):



* The main role of NAD^+ in metabolism is the transfer of electrons from one molecule to another. When bound in the active site of an oxidoreductase, the nicotinamide ring of the coenzyme is positioned ~~in such~~ so that it can accept a hydride from the other substrate.

A simplified outline of redox metabolism.

