

OMOTAYO FAITH

OMOWUNMI

18/mhs01/301

MEDICAL LABORATORY
SCIENCE

Question

1a. What are coenzymes

b. Differentiate between
fat and water soluble
vitamins

c. Describe niacin in
relation to its coenzymic
function

1a) A coenzyme is an
organic non-protein
compound that binds with
an enzyme to catalyze a
reaction.

1b)

Water soluble	Fat soluble
They are water soluble	They are fat soluble
Absorption requires bile salt	Absorption is simple

Carrier protein is present	Carrier protein is absent
Stored in the liver	No storage
Not excreted	It is excreted

1c) The active form of niacin is nicotinamide adenine dinucleotide (NAD) and nicotinamide adenine dinucleotide phosphate (NADP) are coenzymes that are part of the energy production system of the body.