OBOT ETIMBUK O.

PHARMACOLOGY

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BCH 204

1. Coenzymes are substances that enhance the action of an enzyme. Coenzymes are small molecules that cannot catalyze a reaction but can help enzymes to do so. Coenzymes are organic non protein molecules that bind with the protein molecule to form the active enzyme.

b. Fat-soluble vitamins are dissolved in fats. They are absorbed by fat globules that travel through the small intestines and distributed through the body in the bloodstream. Unlike water-soluble vitamins, excess fat-soluble vitamins are stored in the liver and fatty tissues for future use.

Water-soluble vitamins are those that are dissolved in water and readily absorbed into tissues for immediate use. Because they are not stored in the body, they need to be replenished regularly in our diet. Any excess of water-soluble vitamins is quickly excreted in urine and will rarely accumulate to toxic levels.