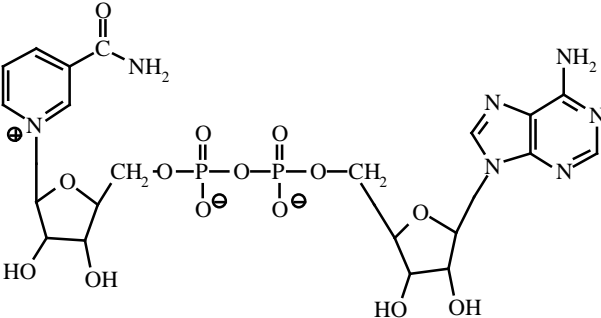
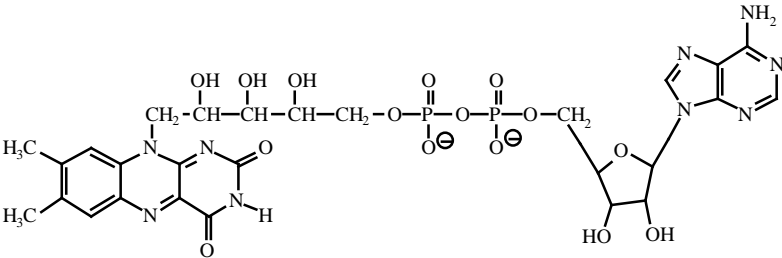
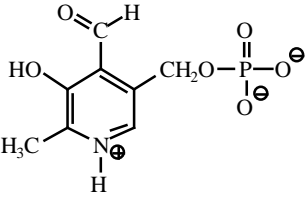
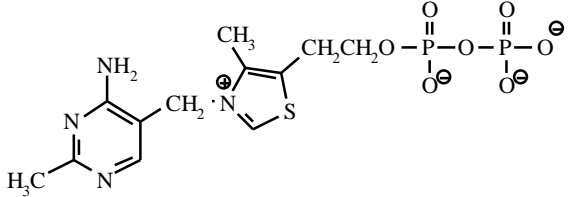
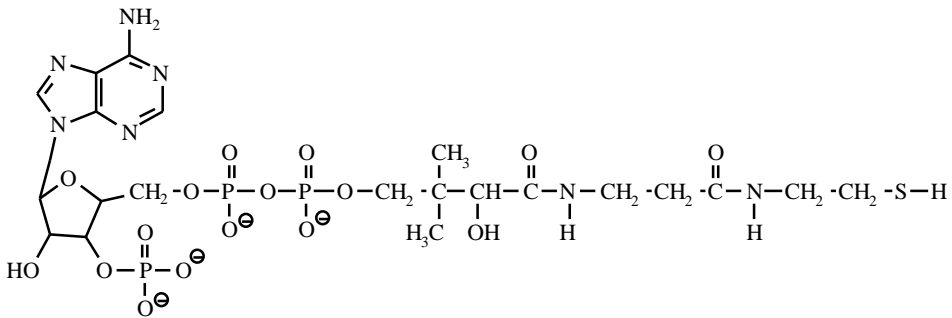
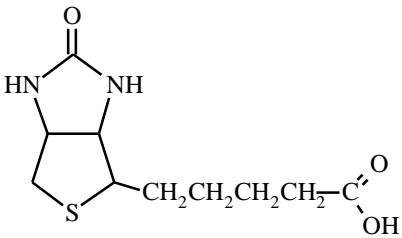


## Coenzyme Functions

Coenzyme		Group Transferred	Enzyme Example
Nicotinamide adenine dinucleotide <b>NAD<sup>+</sup></b> Vitamin B <sub>3</sub> niacin		Hydride ion	lactate dehydrogenase
Flavin adenine dinucleotide <b>FAD</b> Vitamin B <sub>2</sub> riboflavin		Hydrogen atoms	acyl-CoA dehydrogenase
Pyridoxal phosphate <b>PLP</b> Vitamin B <sub>6</sub> pyridoxine		Amino groups	alanine aminotransferase

## Coenzyme Functions

Coenzyme		Group Transferred	Enzyme Example
Thiamine pyrophosphate  <b>TPP</b>  Vitamin B1 thiamine		aldehyde	pyruvate decarboxylase
Coenzyme A  pantothenic acid		Acyl groups	citrate synthase
Biocytin  biotin		CO <sub>2</sub>	pyruvate carboxylase