CONCEPT: INTRO TO COFACTORS					
Some enzymes require the use of a <i>cofactor</i> in order to catalyze a chemical reaction.					
□ <b>Cofactor</b> : apeptide covalently bonded to an enzyme that is essential to its catalytic activity.					
- Inorganic cofactor = Ion		- Organi	- Organic Cofactor =		
□ Apoenzyme =	enzyme form.		□ Holoenzyme =	enzyme form.	
	Enz	zyme Activation			
Inactive Enzyme	Cofactor	Active Enzyme		<u> </u>	
+	<b>*</b>		+	<b>→</b>	
<b>EXAMPLE:</b> Which of the following could be a cofactor, but not a coenzyme?					
a) FAD	b) NAD+	c) Mg <sup>2</sup>	+	d) Coenzyme A	

**PRACTICE:** Indicate which of the following conditions represents an active enzyme.

- I. An enzyme after its release of Cu (I) ion used for catalytic activity.
- II. A polypeptide chain that is biologically functional.
- III. An enzyme that binds to organic factor in the form of Vitamin B<sub>2</sub>.
- IV. None of the following
- a) IV only b) I and II c) II and III d) I, II and III