



- Define phosphorylation
- What are all of the possible sources of phosphates that were discussed in class?
- What amino acids are able to be phosphorylated?
- What enzymes add phosphates to a protein?
- What enzymes remove phosphates from a protein?
- What is a prosthetic group?

- Define apoprotein
- Define Holoprotein
- Define cofactor and coenzyme. Can the cell synthesize these?
- What is a metalloprotein? Give some examples
- What are non-heme proteins? Give some examples
- What are hemoproteins? Draw an example!
- What are the requirements/characteristics of vitamins?
- What are the two general classes of vitamins?