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Answer these Questions on the Background PowerPoint Before the Jack Westin Serotonin Passage:

What enzyme adds a phosphate to a protein? What enzyme removes a phosphate?

Describe the difference between a cofactor and coenzyme? What are the two types of coenzymes and what are is the difference between them?

Describe filtration, secretion, and reabsorption (aka what do each of them mean). Which of the processes should be greater for a substance so that it can be a good marker of renal flow?

Describe the process of affinity chromatography.

What is a Northern blot?

What is a Southern blot?

What is ion exchange chromatography?

Name as many classes of enzymes as you can

What are the differences between smooth and skeletal muscle, and which one contracts automatically, and which one contracts voluntarily?