DNA Organization

What is supercoiling and why is it so important?					
Describe what DNA looks like during interphase					
Describe histones and list the 5 histone proteins.					
Draw two tetramers to make an ectomere and label the histone proteins.					

What is chromatin remodeling important for?						
Fill out the table:						
Acetylation						
Methylation						
Phosphorylation						
What is so unique about DNA methylation? (Think CPG islands)						

What is the difference between euchromatin and heterochromatin?

What are centromeres used for during DNA replication?
Describe pseudogenes:
Describe all 6 analytic techniques: Absorbtion of UV light:
Denaturation and renaturation of nucleic acids:

Molecular hybridization:	
FISH:	
Reassociation kinetics:	
Electrophoresis:	