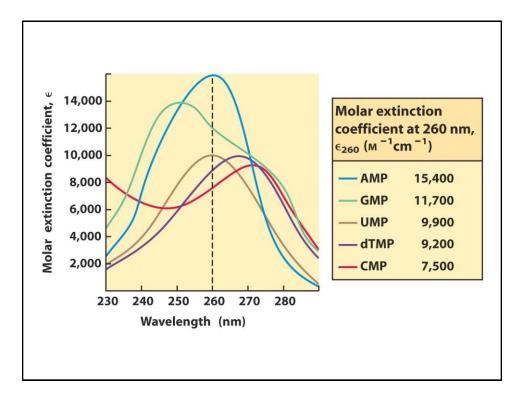
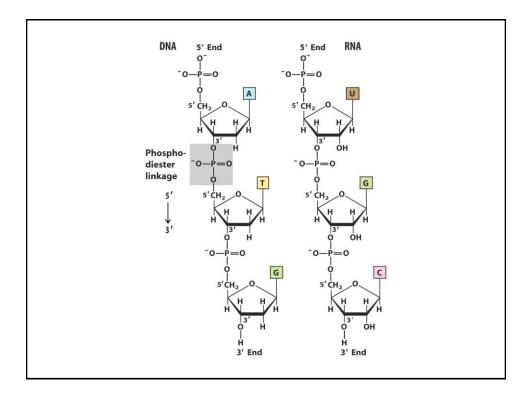
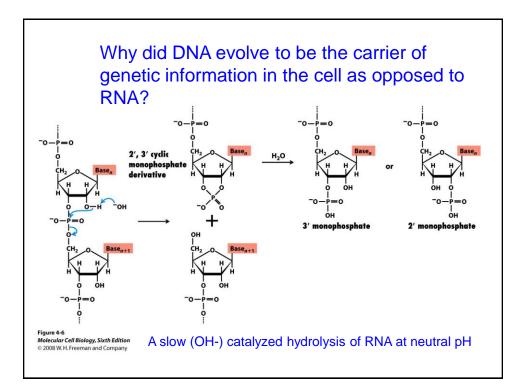
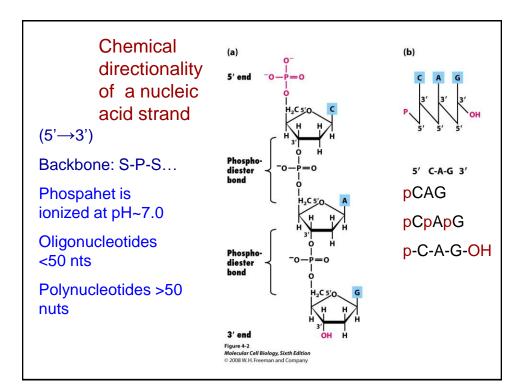


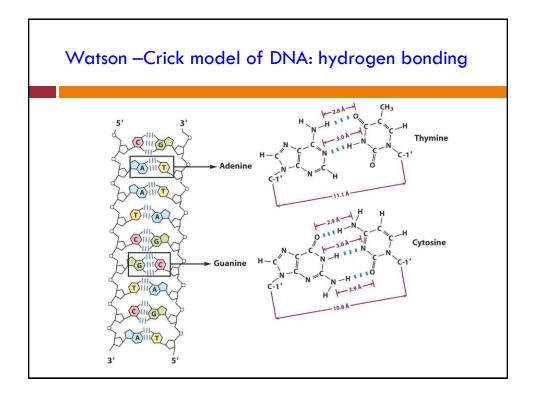
TABLE 8-1 Nucleotide and Nucleic Acid Nomenclature					
Base	Nucleoside	Nucleotide	Nucleic acid		
Purines					
Adenine	Adenosine	Adenylate	RNA		
	Deoxyadenosine	Deoxyadenylate	DNA		
Guanine	Guanosine	Guanylate	RNA		
	Deoxyguanosine	Deoxyguanylate	DNA		
Pyrimidines		10 1			
Cytosine	Cytidine	Cytidylate	RNA		
	Deoxycytidine	Deoxycytidylate	DNA		
Thymine	Thymidine or deoxythymidine	Thymidylate or deoxythymidylate	DNA		
Uracil	Uridine	Uridylate	RNA		

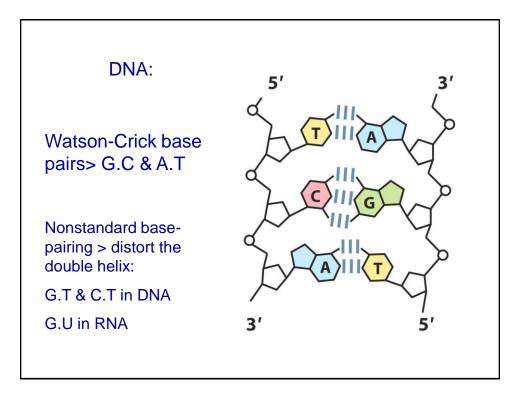


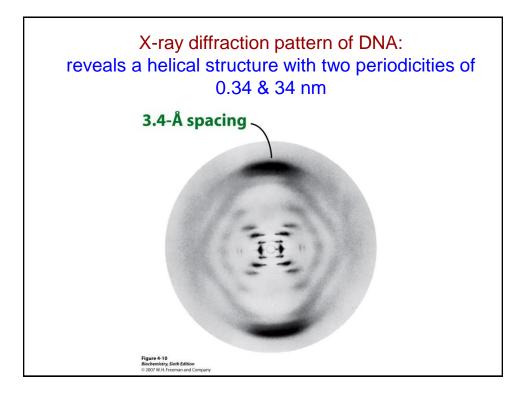


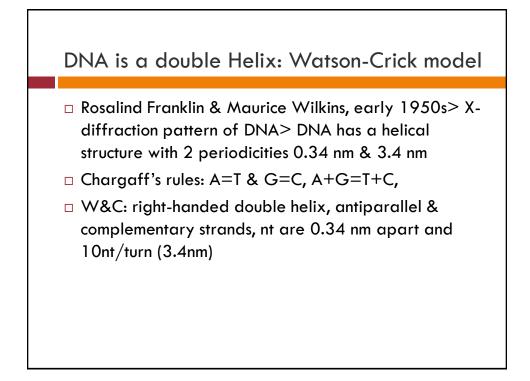


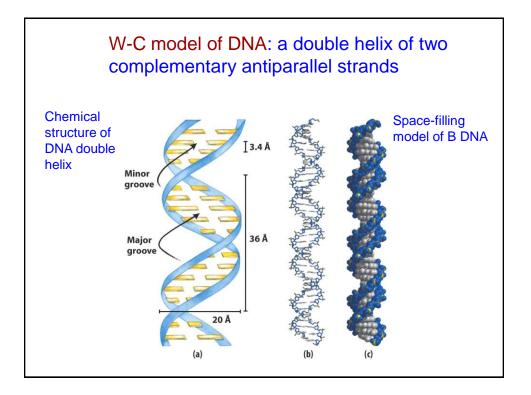


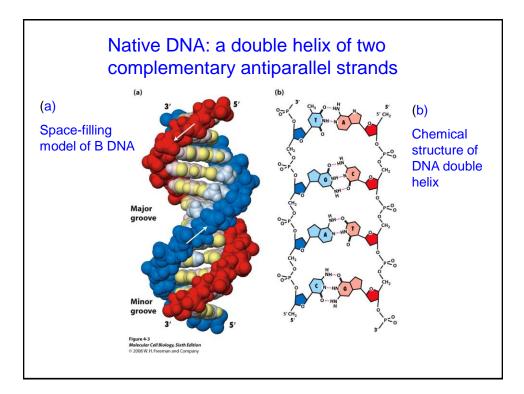


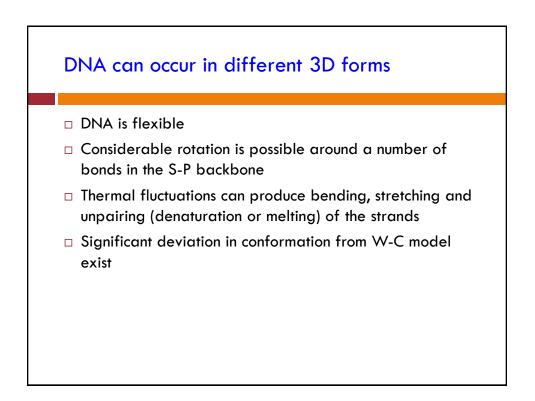


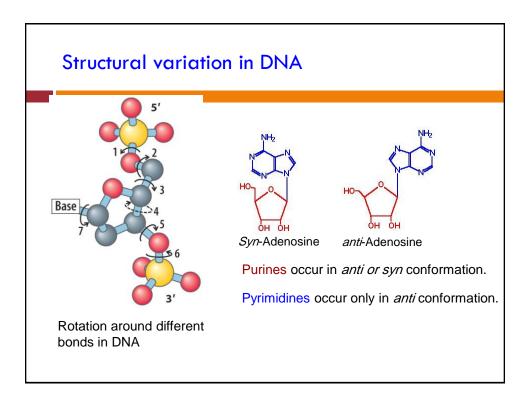


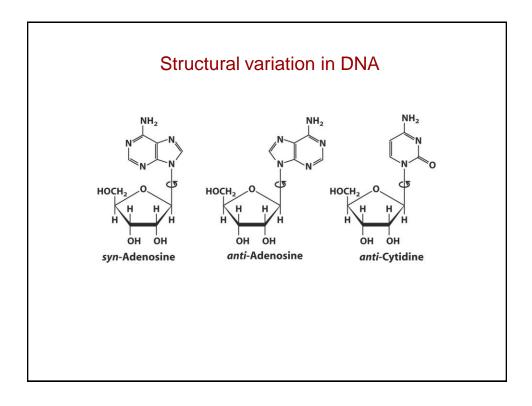


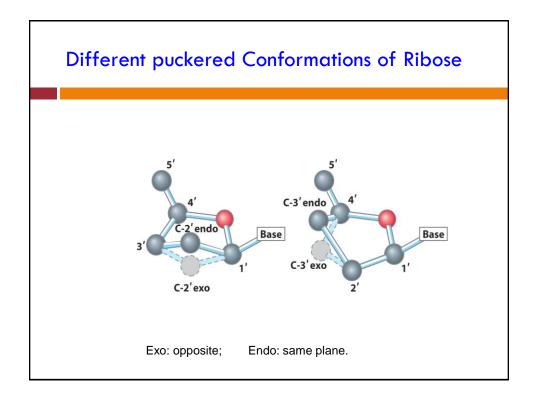


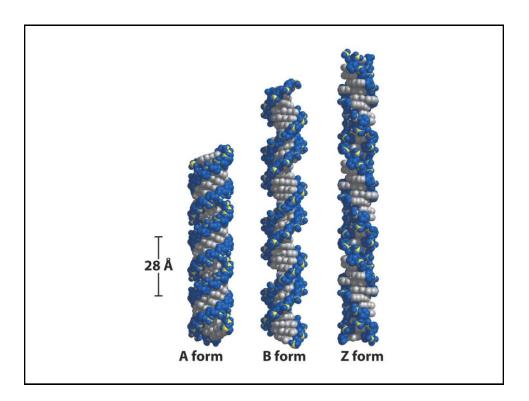


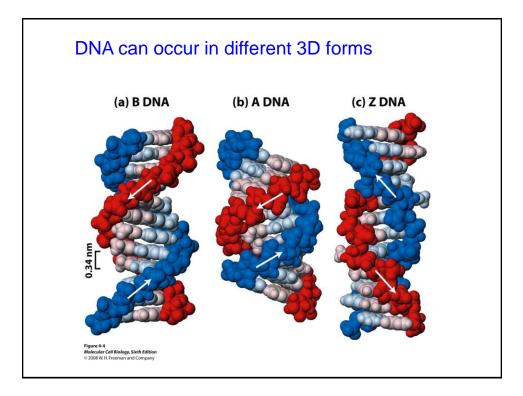




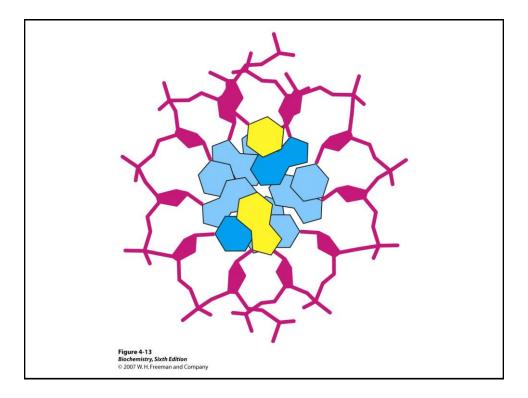


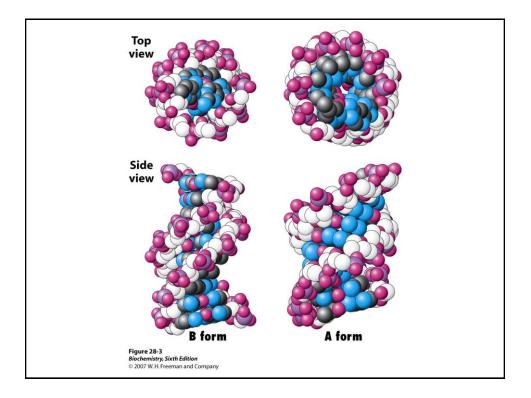


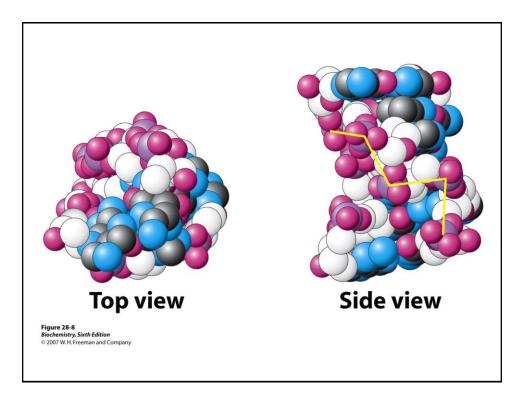




	A form	B form	Z form
Helical sense	Right handed	Right handed	Left handed
Diameter	~26 Å	~20 Å	~18 Å
Base pairs per helical			
turn	11	10.5	12
Helix rise per base pair Base tilt normal to the	2.6 Å	3.4 Å	3.7 Å
helix axis	20°	6°	7°
Sugar pucker conformation	C-3' endo	C-2' endo	C-2' endo for pyrimidines;
			C-3' endo for purines
Glycosyl bond conformation	Anti	Anti	Anti for pyrimidines; syn for purines







	A form	B form	Z form
Helical sense	Right handed	Right handed	Left handed
Diameter	~26 Å	~20 Å	~18 Å
Base pairs per helical			
turn	11	10.5	12
Helix rise per base pair	2.6 Å	3.4 Å	3.7 Å
Base tilt normal to the helix axis			
	20°	6°	7°
Sugar pucker conformation	C-3' endo	C-2' endo	C-2' endo for pyrimidines;
			C-3' endo for purines
Glycosyl bond conformation	Anti	Anti	Anti for pyrimidines; syn for purines

