CONCEPT: NUCLEIC ACIDS 1. Purines have ring(s), (each) containing nitrogen(s); whereas pyrimidines have ring(s), (each) containing nitrogen(s).	
2. The phosp	phodiester bonds that link adjacent nucleotides in RNA and DNA:
b. c.	link A with T and G with C are susceptible to alkaline hydrolysis are uncharged at neutral pH form between the planar rings of the nucleotides bases link by a phosphate between the 3' hydroxyl of one nucleotide to the 5' hydroxyl of the adjacent nucleotide
3. Alkaline h	ydrolysis of RNA does not produce:
b. c. d.	2'-AMP 2'-3'- cGMP 2'-CMP 3'-5'-cAMP 3'-UMP
4. The DNA	oligonucleotide pATCGCA has:
b.	seven phosphates a 3' hydroxyl a phosphate on its 3' end an A on its 3' end violated Chargaff's rules
5. Nucleic ad	cid bases:
a. b. c. d. e.	absorb UV light at 280 nm are all about the same size are all hydrophilic are roughly planar all can base pair with each other