IB Biology

Topic 7 – Nucleic acids

HL Revision Sheet



 Non(coding regions o DNA could Regulators of gene expression are Introns are teleomeres are 	be,or	 DNA gyrase single strand binding p DNA primase DNA polymerases I) – Enzyme functions roteins	What part do nucleosomes play in supercoiling?" A Nucleosome Made from DNA and nine histone proteins. DNA wraps around the histone proteins twice 9th histone protein holds the DNA in place
Applications Crossing over during prophase I of meiosis causes gamete chromosomes to more varied than				Compare & contrast DNA replication in leading stand with the lagging stand.
Transcription & control of gene expression Neucleosomes can regulate transcription by				Outline the three stages of translation Initiation Synthesis Termination
Ribosime binding sites growing polypeptide Largh Peptide bonds E site P site A site	Compare & contrast free ribosomes and bound ribosomes Free ribosomes Bound ribosomes	State what makes p Describe these second Alpha belix	ndary structures	Describe tertiary and quaternary structure in proteins using a diagram

Beta pleated sheet _____

