Biology 30 Unit 3 Genetic Principles Review Topics

Overview: Your Unit 3 exam will be on	
The following topics were investigated in the Genetics Unit. This is meant to guide yo study and remind you of the topics you should pay attention to. Check off the topics a you study them in preparation for the exam!	ur 18
 Mitosis: IPMAT Meiosis: Oogenesis & Spermatogenesis Chromosome structure: Centrioles, Centromere, Chromatid, Chromatin Chromosomal Abnormalities: Non-disjunction, trisomies,	n
 Incomplete Dominance: pink flowers Codominance: roan cattle Polygenic: many genes for one trait ie// eye colour Epistasis: one gene can influence another gene Sex-linked Inheritance: how to do a cross, review some examples of such disorders 	
Gene linkage & Crossover of genes: implications for variation among a species Chromosome (gene) mapping: how to locate genes on a chromosome Gene splicing: how to remove or add genes to chromosomes Gene therapy DNA structure: nucleotides, enzymes, replication song, how to replicate it, fingerprinting	
Gene recombination Protein synthesis: define & do transcription/translation, locate these processes, role & kinds of RNA, distinguish RNA from DNA Gene regulation & cancer: mutagens, how mutations alter the proteins being made	