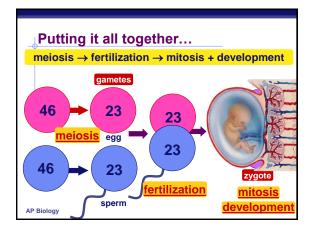
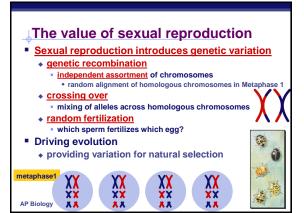
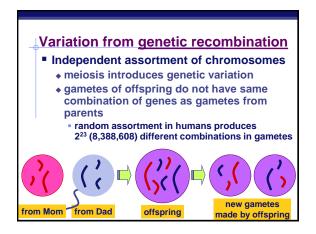
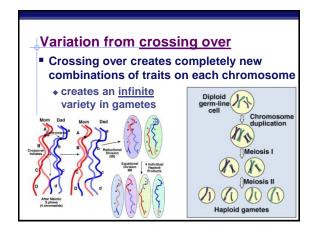


Mitosis vs. Meiosis Mitosis Meiosis • 1 division • 2 divisions daughter cells daughter cells genetically identical genetically different to parent cell from parent produces 2 cells produces 4 cells • $2n \rightarrow 2n$ 2n → 1n • produces cells for produces gametes growth & repair · no crossing over crossing over AP Biology

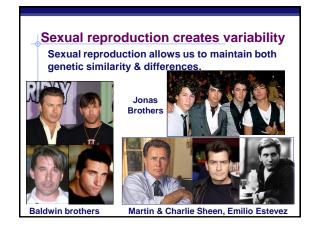


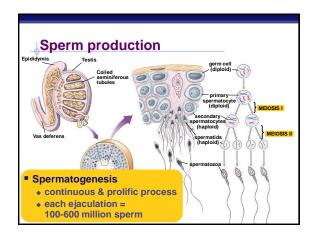


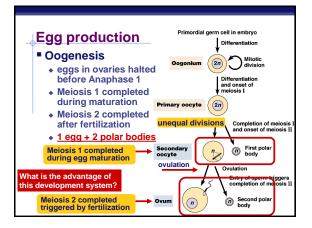


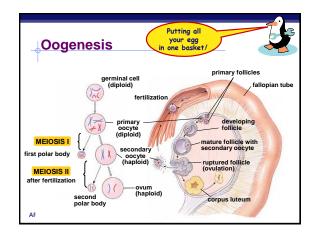


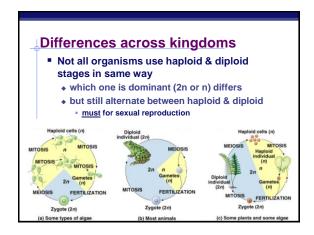


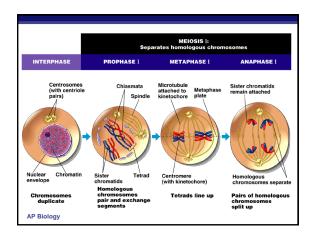


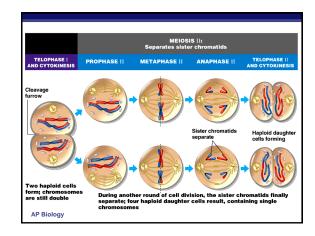


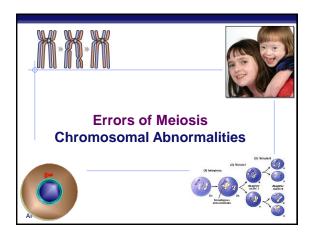


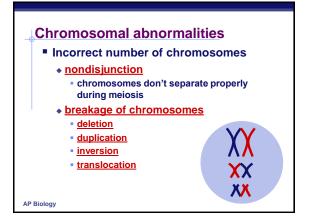


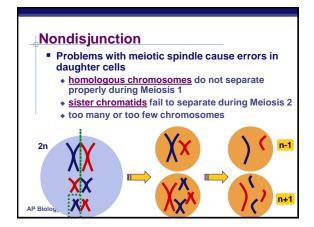


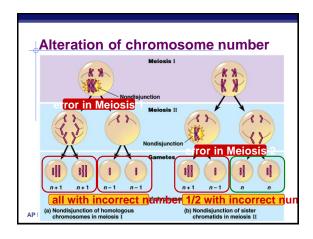


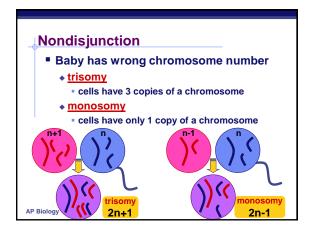


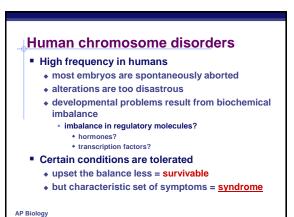


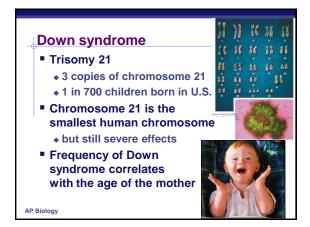


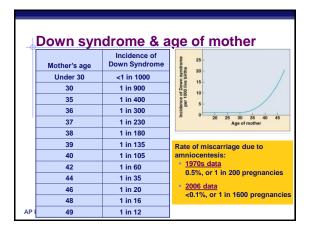


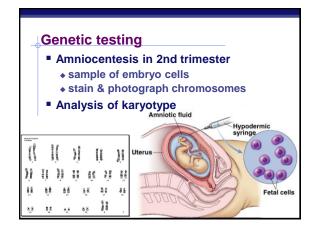


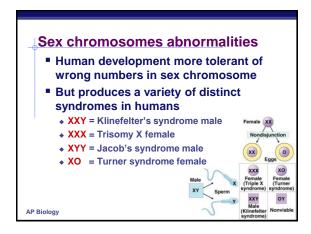


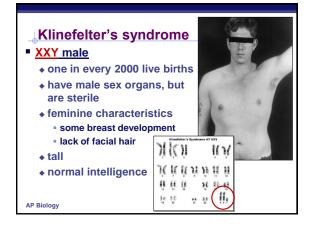


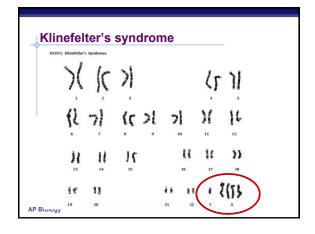


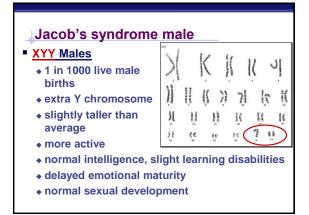


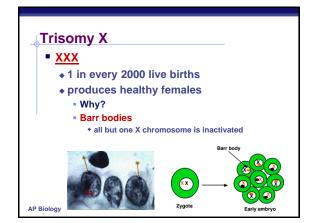


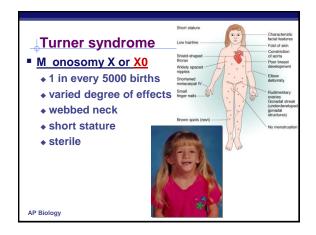


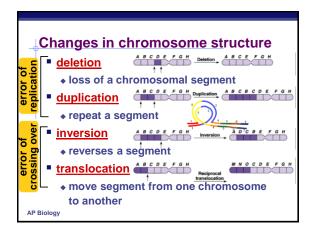


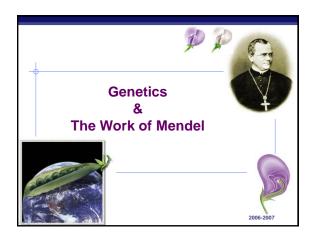


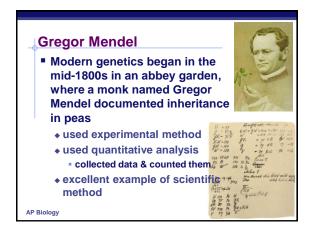


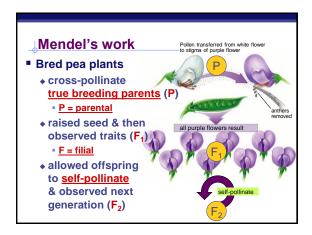


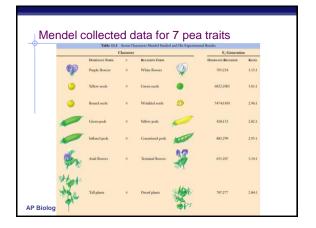


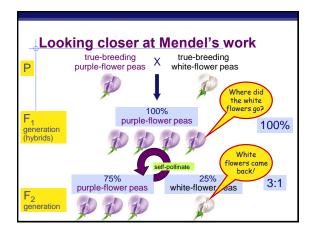


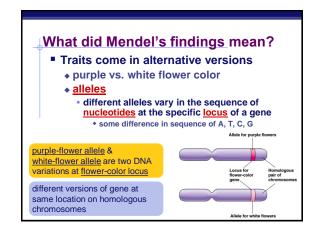


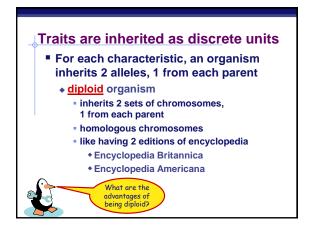


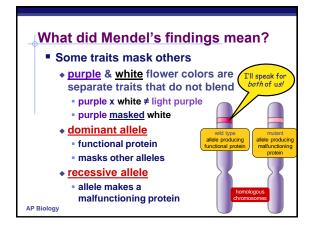


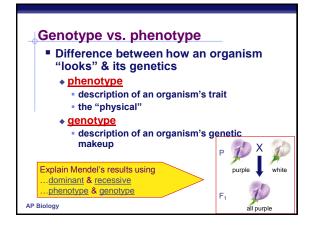


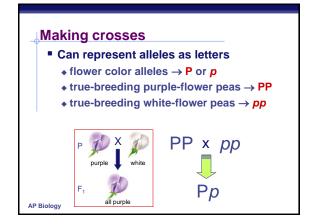


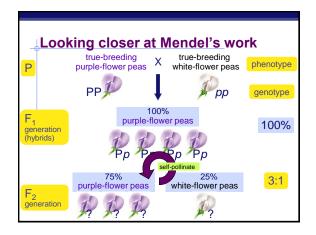


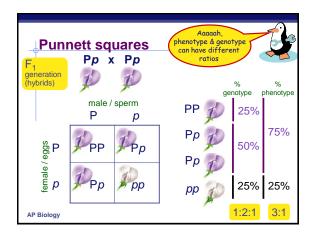


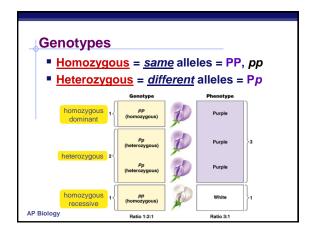


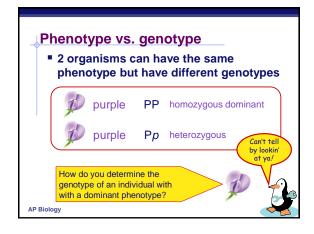


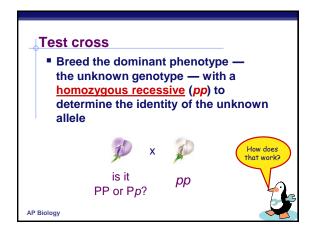


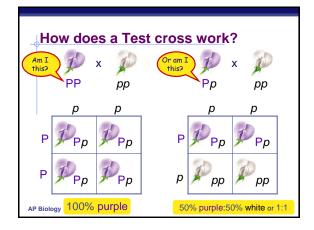


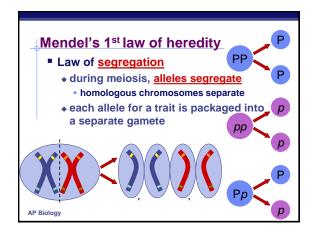


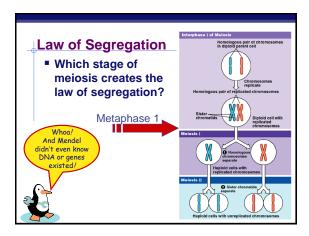


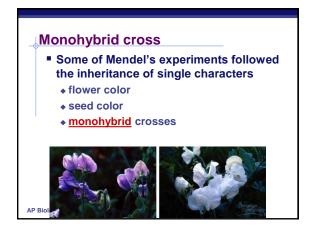


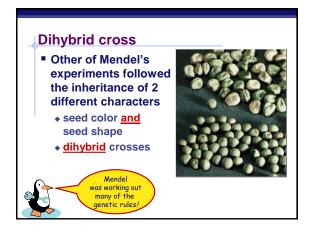


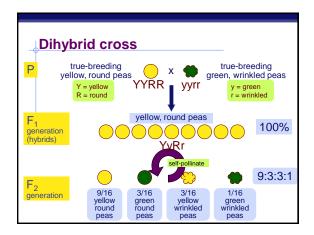


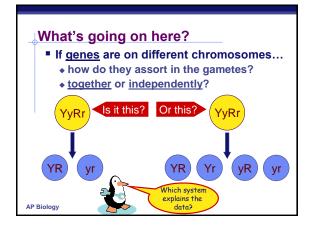


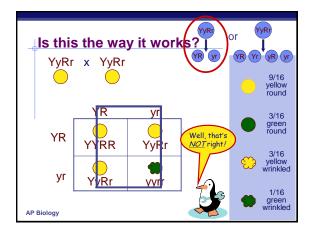


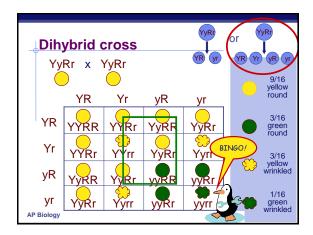


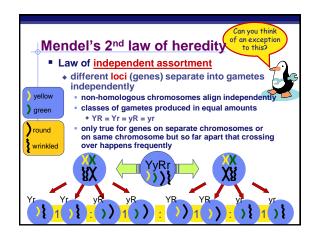


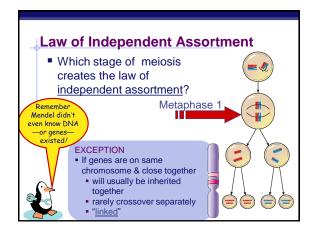


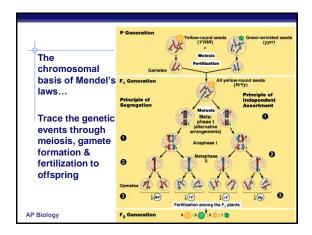


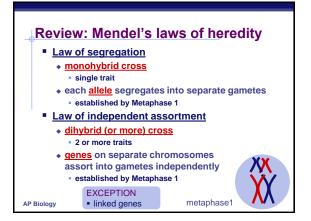






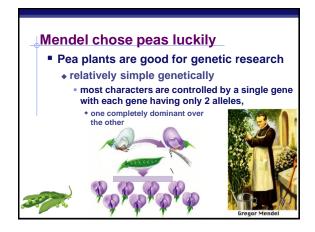




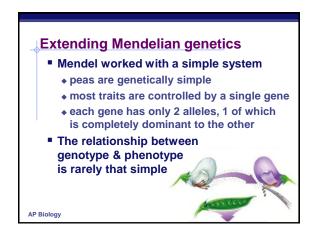


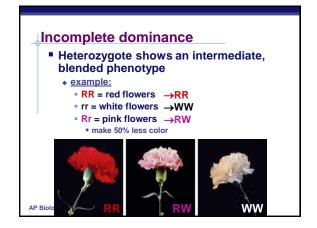


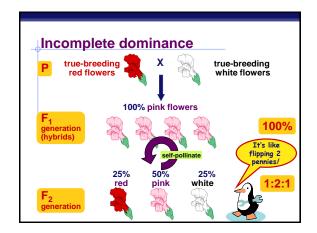
to another

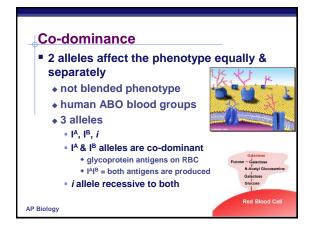




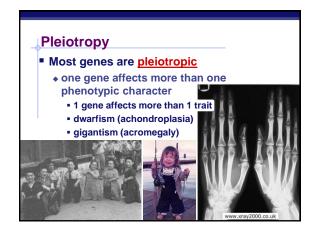


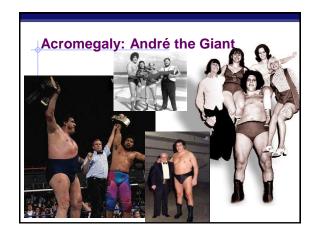


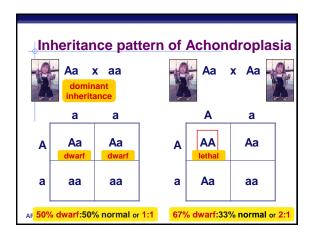


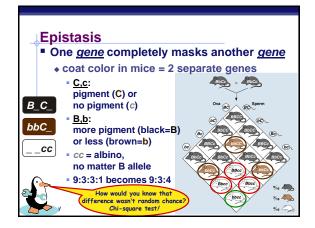


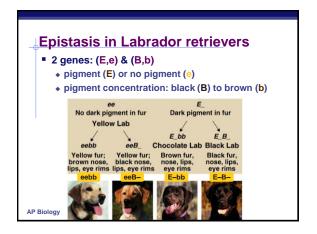
Genetics of Blood type				
pheno- type	genotype	antigen on RBC	antibodies in blood	donation status
Α		antigens on surface of RBC	antibodies	
В		antigens on surface of RBC	antibodies	
AB		antigens on surface of RBC	antibodies	
0		on surface of RBC	antibodies	

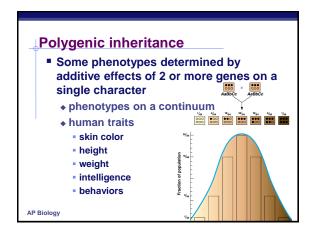






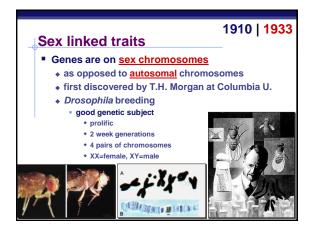


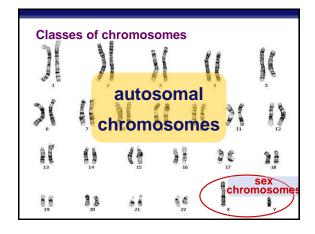


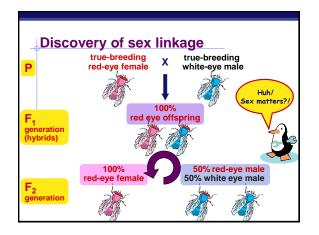


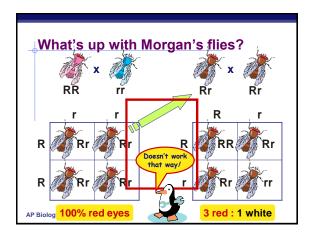


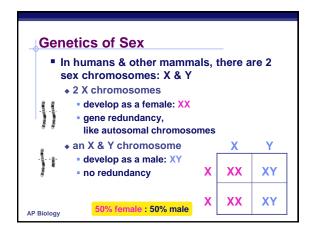


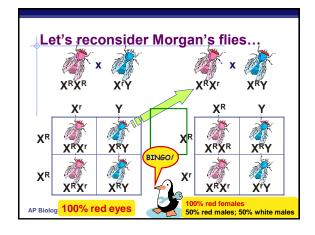


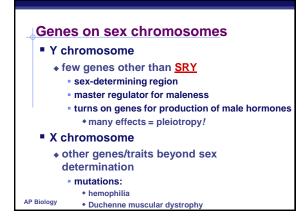


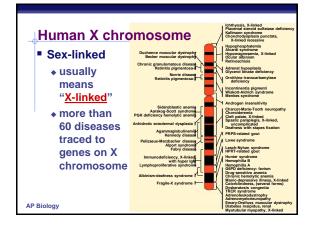


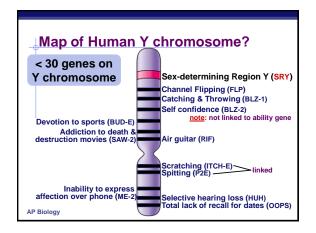


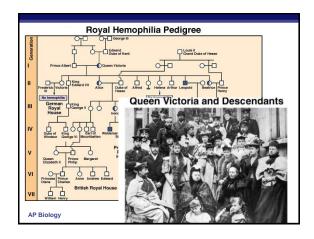


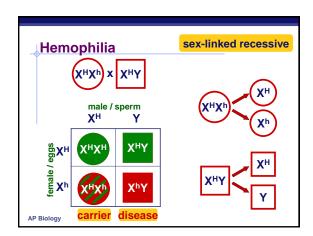


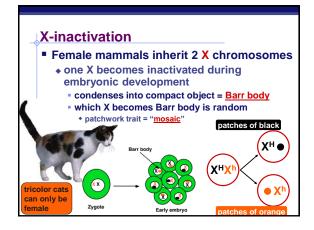


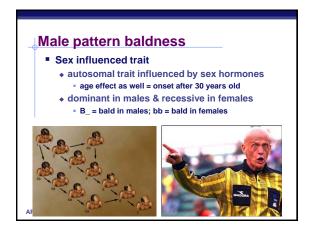


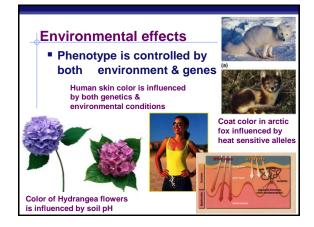


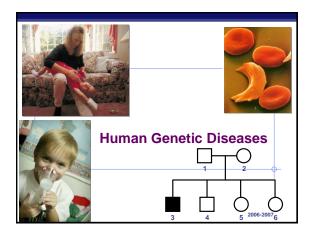


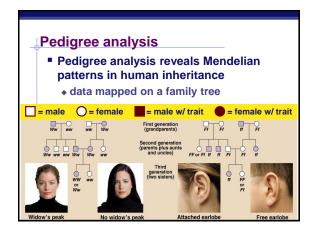


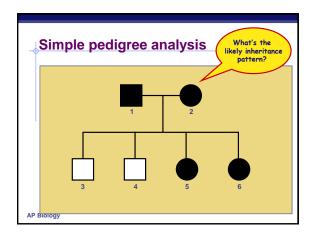


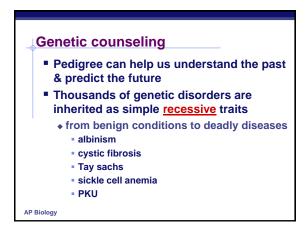


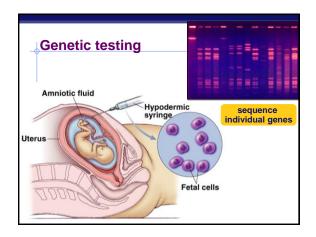




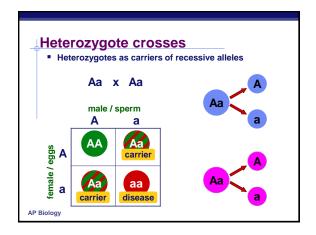


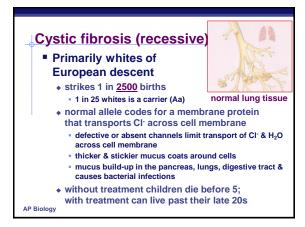


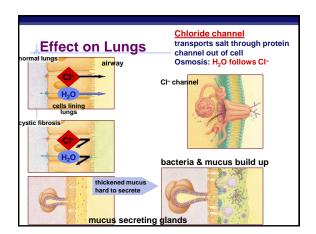


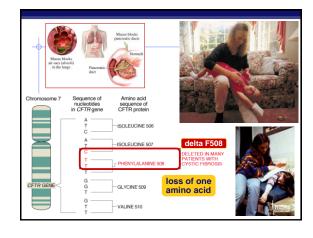


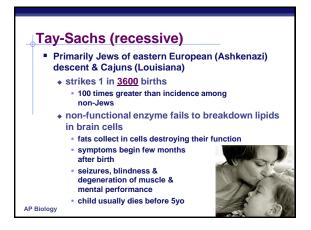
Recessive diseases The diseases are recessive because the allele codes for either a malfunctioning protein or no protein at all Heterozygotes (Aa) carriers have a normal phenotype because one "normal" allele produces enough of the required protein

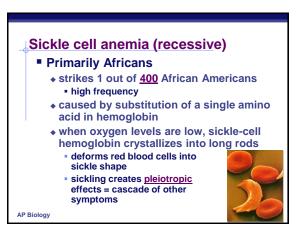


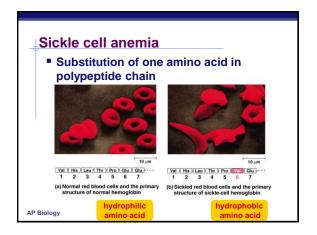


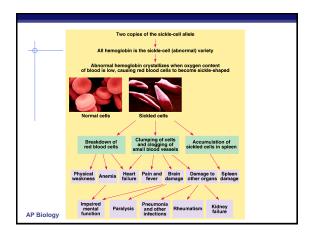


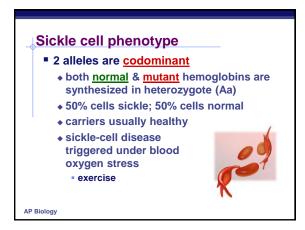


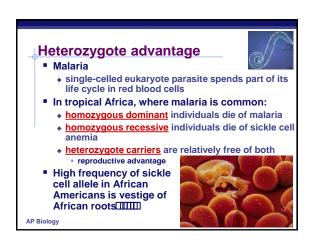


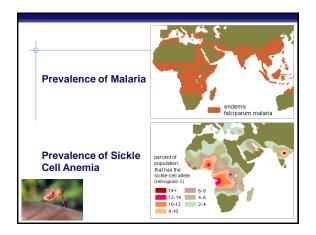


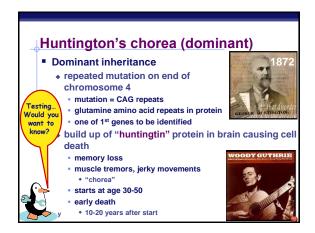












Genetics & culture Why do all cultures have a taboo against incest? laws or cultural taboos forbidding marriages between close relatives are fairly universal Fairly unlikely that 2 <u>unrelated</u> carriers of same rare harmful recessive allele will meet & mate but matings between <u>close relatives</u> increase risk "consanguineous" (same blood) matings individuals who share a recent common ancestor are more likely to carry same recessive alleles

