Name:	Dr. Reichler's Bio 325	Fall 2007 pre-exam 3 quiz
1) When looking at the inheritant from a cross that results in 50% r	-	two different genes, what can you infer
genes (A, B, and I). The A and E	B genes have simple dominan	ent traits coded for by three different ace, and the I gene has incomplete as the recessive phenotype for A and B
ability to smell apples, and the ot want to know how far apart the g with the following traits. 80 can	her to smell oranges. The me enes are. Two heterozygous smell both oranges and apple	ptors on chromosome 11. One for the utations act as recessive alleles. You individuals mate and have 100 offspring es, 12 cannot smell apples or oranges, nges but not apples. How far apart are
4) What might lead to discrepan	cies between a genetic map a	and the actual DNA sequence?
5) Is it likely that human height human height?	is coded for by one or more g	genes? What else might contribute to
6) Would an individual's age be	a good measure of their evol	lutionary success?
7) What does information about ancestor?	human DNA tell us about ho	ow long ago we shared a common
8) When looking at human mtD population's DNA versus individ		on can be gained from looking at