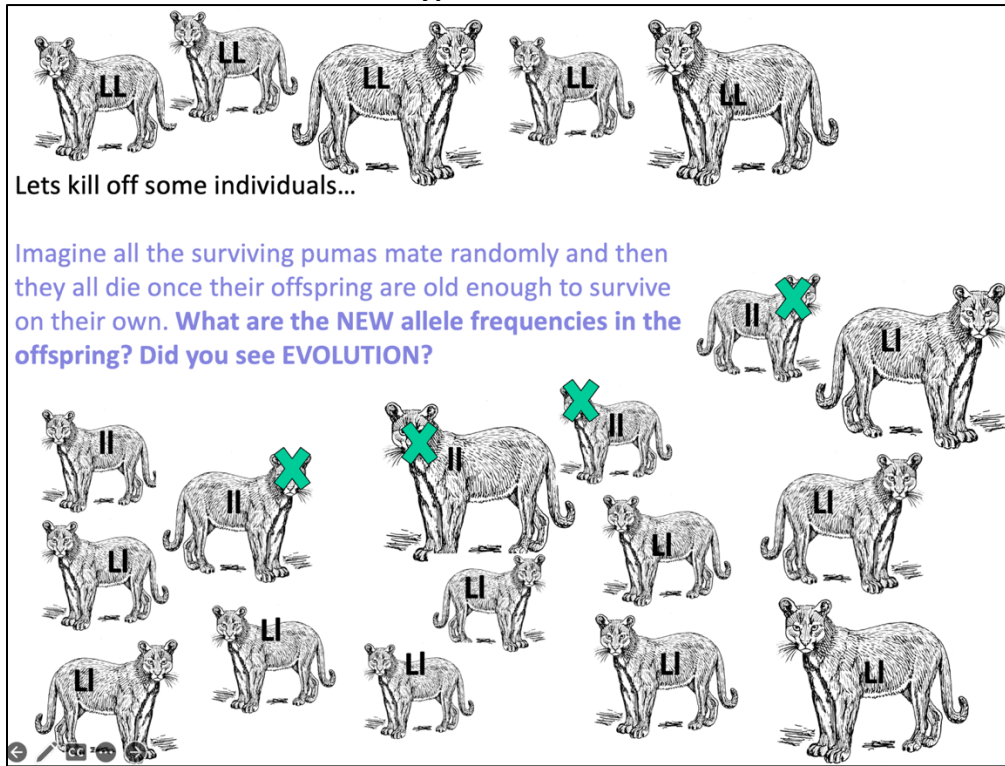


Hardy Weinberg and Cougars  
 ANGELL\*BIO 150  
 Type II Question



Before selection frequency of "L" allele=  
 Before selection frequency of "l" allele=

**Lets kill off some individuals...to determine whether evolution has taken place (those with X are being killed off).**

After Selection frequency of "L" allele=  
 After Selection frequency of "l" allele=

Did the population evolve?  
 How do you know?

Calculate what the genotypes of individuals would be **in the next generation of cougars by assuming random mating** (and assuming all adults die off that year).

Take your bucket of gametes (gene pool) and simulate mating by pulling random gametes out of the bucket and combining them to make new diploid individuals.

What is the frequency of LL you would expect in the next generation?

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