

Standard 7

7A	Students know why natural selection acts on the phenotype rather than the genotype or an organism
7B	Students know why alleles that are lethal in a homozygous individual may be carried to a heterozygote and thus maintained in a gene pool.
7C	Students know new mutations are constantly being generated in a gene pool.
7D	Students know variation within a species increases the likelihood that at least some members of a species will survive under changed environmental conditions.
7E	Students know the conditions for Hardy-Weinberg equilibrium in a population and why these conditions are not likely to appear in nature.
7F	Students know how to solve the Hardy-Weinberg equation to predict the frequency of genotypes in a population, given the frequency of phenotypes.