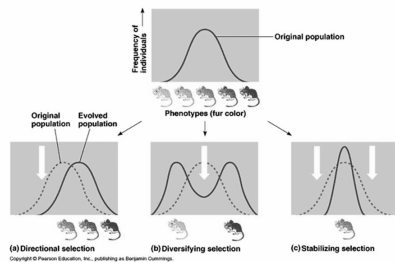


Natural Selection



Types of Selection Pressures

Natural Disaster

Changes in Behaviour

Predation

Disease

Sexual Selection

DNA Mutations

Changes in Climate

Change in Habitat/Environment

Interspecific & Intraspecific Relationships

Availability of food, shelter, water, mates

Factors that Affect the Gene pool

Bottleneck Effect When a disaster strikes, and only a very few individuals in a population are left

Genetic Drift Changes in the frequency of alleles in a population caused by random events

Migration Individuals leaving the population

Immigration Individuals entering the population

Natural Selection The best adapted individuals can survive a change in the environment

Factors that Stabilizes a Gene pool

Intrapopulation gene flow Free gene flow within a population. A lack of gene flow will lead to lack of genetic diversity in terms of individual individuals in a population, leading to speciation

Lack of interpopulation gene flow For the gene pool of a population to remain consistent, no genes can migrate from or into the population

Large population Very large population so that if individuals die by genetic drift, it won't affect the gene pool much.

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