

## MICROEVOLUTION

### MICROEVOLUTION

- Change in gene pool of a population
- Change in relative freq. of alleles in population
- Evolution on smallest scale

### CAUSES OF MICROEVOLUTION

<b>Genetic Drift</b>	<ul style="list-style-type: none"> <li>• Changes in gene pool of small population due to random chance</li> <li>• Bottleneck effect</li> <li>• Founder Effect</li> </ul>
<b>Gene Flow</b>	<ul style="list-style-type: none"> <li>• Change in gene pool due to migration of fertile individuals or due to the transfer of gametes between populations</li> </ul>
<b>Mutation</b>	<ul style="list-style-type: none"> <li>• Introduction of a new allele</li> </ul>
<b>Nonrandom mating</b>	<ul style="list-style-type: none"> <li>• Mates not randomly chosen</li> <li>• Sexual selection</li> </ul>
<b>Natural Selection</b>	<ul style="list-style-type: none"> <li>• Differential reproductive success</li> <li>• Some phenotypes selected against</li> </ul>