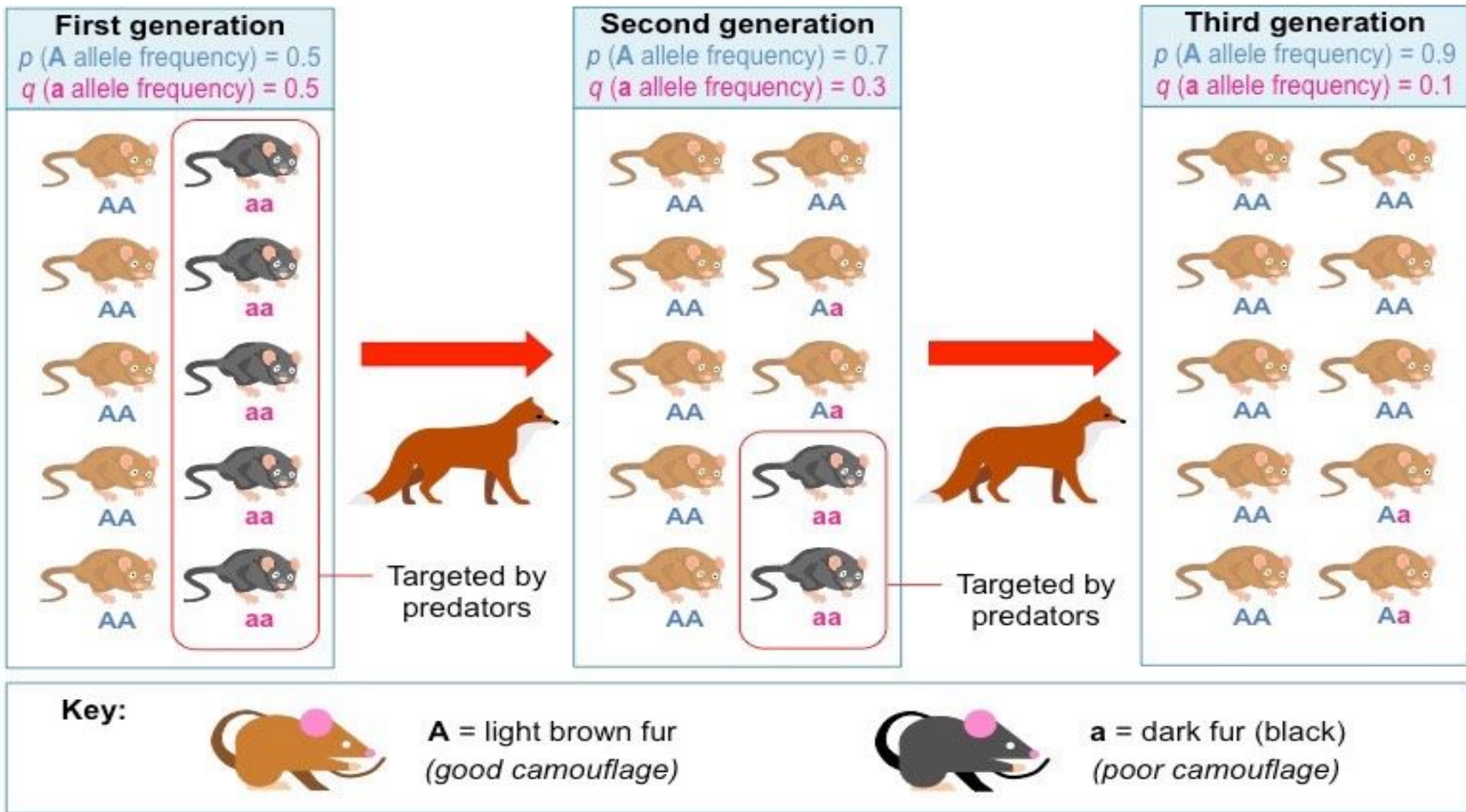


CHAPTER 16.2: EVOLUTION AS GENETIC CHANGE

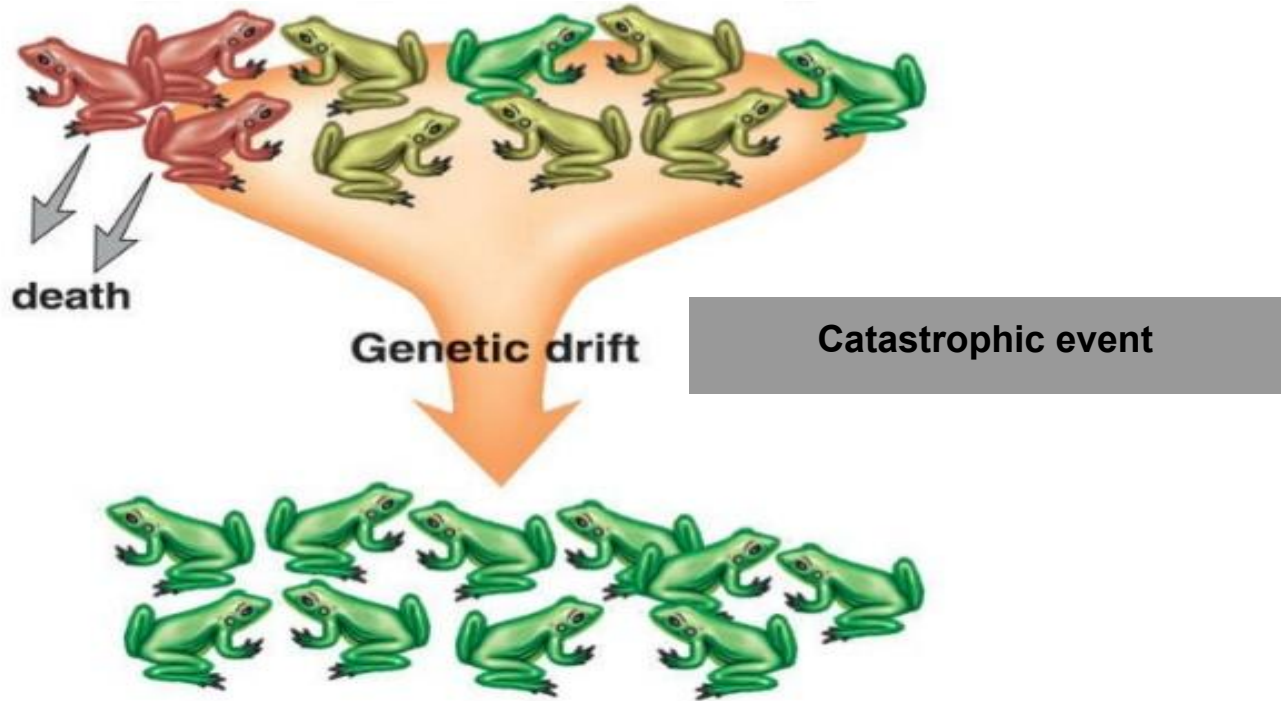
Natural selection never acts directly on genes,
only on whole organisms





Populations evolve over time, **not** individuals.

Genetic Drift: changes in allele frequency of a small population due to a random event.



1. The **Bottleneck effect** occurs when a population's size dramatically decreases and certain alleles are wiped out of the population.
 - creates lack in genetic variation.



2. **Founder effect** occurs if a small group of individuals colonize a new habitat

