



Natural Selection

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- 1. Natural Selection** Organisms with traits better-suited to their environment survive and reproduce more often (This causes traits to change over time).
- 2. Adaptation** A trait that helps a population survive (Giraffe's long neck).
- 3. Population** A group organisms of the same species living in a particular area at the same time
- 4. Overproduction of offspring** Organisms produce more offspring than need to sustain the population.
- 5. Genetic Variation** Organisms have different genes and traits.
- 6. Struggle To Survive** Starvation, disease, and predators all make it a struggle for organisms to survive.
- 7. Successful reproduction** The best adapted to their environment are likely to have many offspring that survive.
- 8. Insecticide Resistance** Insecticides/pesticides kill most insects. The survivors have genes that make them resistant. The survivors then reproduce and pass on their insecticide-resistant genes. When the same insecticide is used, only a few are killed.
- 9. Selective Breeding** The process by which humans breed other animals and plants for particular traits (also called artificial selection).
- 10. evolution** the change in genetics of a species over time
- 11. mutation** the process in which DNA changes result in new alleles
- 12. extinction** occurs when the last individual of a species dies
- 13. environment** the objects and conditions that surround an organism
- 14. Result of natural selection** Can lead to evolution
- 15.** Mutation



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Can lead to new variations

16. **Alleles** Alternate form of a gene

17. **Mechanism of evolution** Natural selection
