

Biology – Evolution

- **Darwin's Theory of Natural Selection**

- Organisms produce more offspring than can survive.
- Variation exists within a population.
- Those with advantageous traits survive & reproduce.
- Over time, these traits become more common.

- **Evidence for Evolution**

- Fossils → Show gradual change over time.
- Comparative Anatomy → Homologous structures (similar bones, diff. function).
- Molecular Evidence → DNA similarities among species.

- **Important Terms**

- Adaptation: A trait that increases fitness.
- Fitness: Ability to survive & reproduce.
- Speciation: Formation of new species.