

Nova's Guide to Evolution: How Life Changes

Join Nova the Owl on a journey through time—discover how life on Earth has adapted to survive!

- **Evolution is the process by which living things change over very long periods of time to become better suited to their environment.**
- **Adaptations are special features, such as thick fur for warmth or sharp claws for hunting, that help an animal survive in its specific habitat.**
- **Offspring inherit characteristics from their parents, but they also show small variations which can lead to new traits over generations.**
- **Fossils are the preserved remains or traces of ancient plants and animals, often found trapped in sedimentary rock layers.**
- **If a species cannot adapt to changes in its environment, such as a changing climate, it may eventually become extinct.**

Did you know? Did you know? Fossils act like a history book for our planet. By studying the layers of rock, scientists can see how creatures from millions of years ago slowly changed, or evolved, into the animals we see today!

Key vocabulary: Evolution · Adaptation · Fossil · Inheritance · Species · Natural Selection