

Evidence for Evolution

9th Grade

Five independent lines of evidence, all pointing the same way.



Evolution is supported by several separate kinds of evidence, gathered by different fields, which agree with each other.

- Fossils show change over time and transitional forms.
- Homologous structures: the same bone layout in a bat wing, a whale fin and your arm.
- Vestigial structures: features with no current function.
- Embryology: related species develop through similar early stages.
- DNA: the more closely related two species are, the more of their genome matches.

LOOK FOR IT

The genetic evidence was gathered a century after the fossil evidence, and independently confirmed it.

Homologous means same origin, different use. Analogous means same use, different origin — a bird wing and an insect wing.