

# The FRAME Routine

Key Topic  
Evidence of evolution

is about...

So What? (What's important to understand about this?)

# Evidences for the Theory of Evolution (Extension)

- Select two evidences from your Frame
- Research a specific plant or animal example of each selected evidence.
- Provide reasoning as to why your example supports the Theory of Evolution.

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Key Topic

Evidence of evolution

is about...

facts or findings that support the theory of biological change over time.

## Fossil Record

1. Imprints of extinct organisms in rock layers
2. Relationship between age of rock layers and fossil
3. Dinosaurs and trilobites

## Biogeography

1. Study the patterns of distribution of organisms throughout the world
2. evolution of unique species on islands
3. Evolution of species after Pangea split

## Comparative Embryology

1. similar embryos despite adult variation.
2. Evidence of gill slits in fish and mammals
3. Evidence of tails

## Comparative Anatomy

1. Study the similarities and differences in anatomy of different species.
2. Homologous and Analogous Structures.
3. Vestigial Structures

## Molecular Biology

1. Using DNA and protein to show evolutionary relationships between organisms
2. Shows organisms are related by descent from common ancestor

## Observed Evolutionary Change

1. ability to observe species with short reproductive times over many of generations
2. Bacteria can evolve to show resistance to antibiotics

## So What? (What's important to understand about this?)

To understand what we have in common with other organisms. Providing evidence that all organisms have evolved from a common ancestor.