

## Evidence for evolution

How is it possible to demonstrate that species change through time, and that modern species share a common ancestor?

Alternative models for biological diversification:

## Predictions of the Evolution Model

# Evidence for evolution

## 1. Transitional forms

## Evidence for evolution

### 2. The relatedness of life: Homology and phylogeny

## Evidence for evolution

The relatedness of all life:

## Evidence for evolution

### 3. The law of succession

## Evidence for Evolution

Molecular fossils

## Evidence for evolution

Imperfect design: The human eye has a blind spot, whereas the squid eye does not...

Evidence for evolution:

Vestigial structures

## Evidence for (Neo-Darwinian) evolution

Ring species

Next time:

Natural Selection