

Causes of Evolution:

1. Genetic Mutations (sudden genetic changes)
2. Gene Recombination (mixing different genes)
3. Genetic Drift (very small number of genes in a population)
4. Migration (moving in and out of a region)

How can you prove evolution is taking place today?

Hardy – Weinberg Law

A group of organisms will have NO evolution if you have:

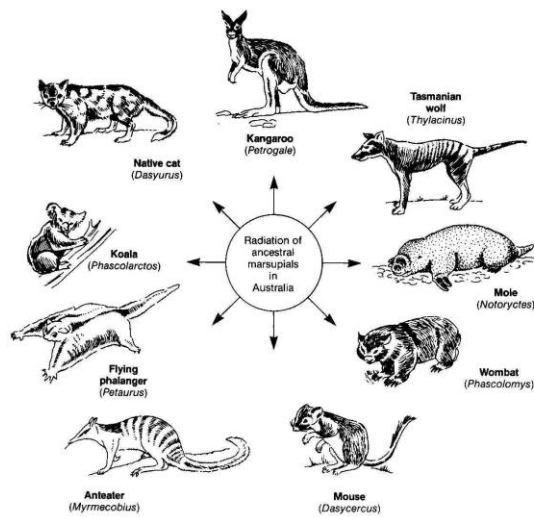
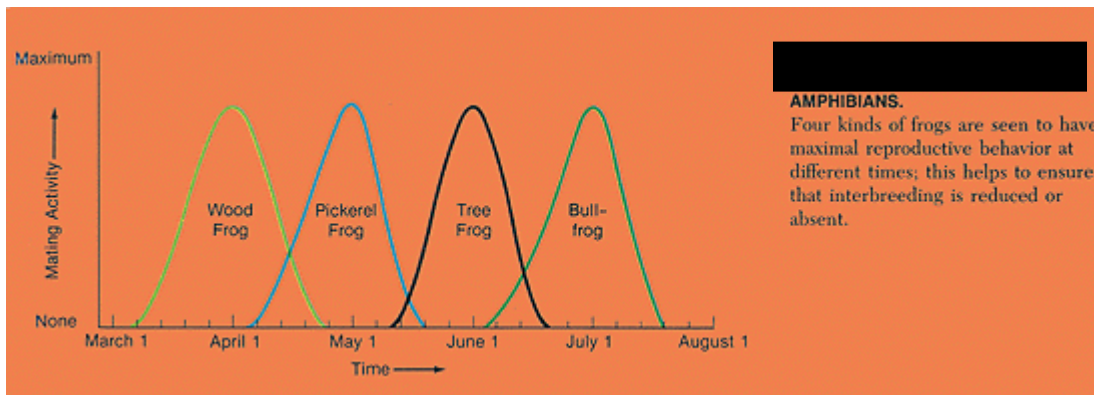
1. Large populations
2. NO mutations
3. NO migration
4. Random mating

Is this possible in a natural environment ?

Types of Speciation -

1. Geographic isolation
2. Reproductive isolation
3. Adaptive radiation
4. Convergent evolution
 - A. Camouflage
 - B. Mimicry

5. Temporal isolation



This chart shows the process of **Adaptive Radiation**.