

Definitions:

- Artificial selection is _____
- Natural selection is _____
- Adaptations are _____

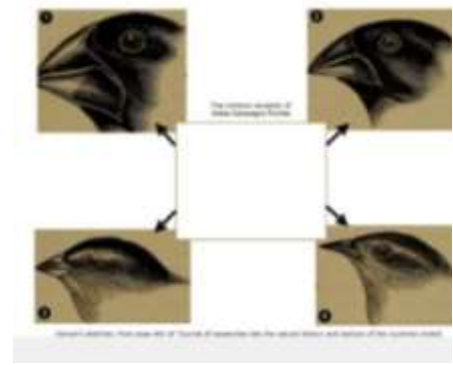
Evolution is _____

The evidence from the fossil record shows that _____

Homologous structures provide evidence that _____



Divergent evolution in Finches



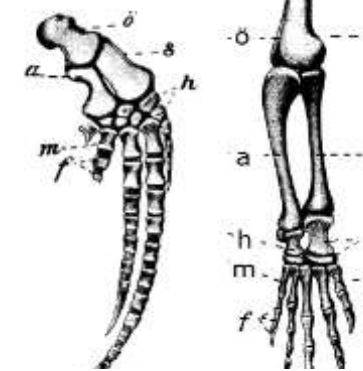
How does divergent evolution occur?

- _____
- _____
- _____
- _____

Compare the pentadactyl limbs in the diagram on the right

dolphin	monkey
_____	_____
_____	_____
_____	_____
_____	_____

Pentadactyl limbs of a dolphin & monkey



Explain selection pressure. _____



Classification taxa = K_____, P_____, C_____, O_____, F_____, G_____, s_____

Plant phyla: _____, _____, _____, _____

Animal phyla: _____, _____, _____, _____, _____

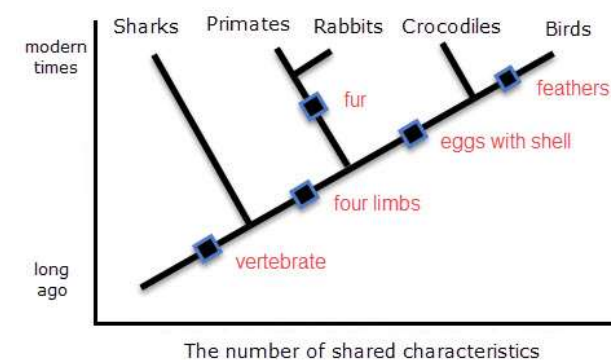
Animal groups in the Chordata phylum: _B_____ _M_____ _A_____ _R_____ _F_____

The three domains of living things are: _____

Features of plants (all groups required)

Phylum	Main features
Bryophyta	_____
Filicinophyta	_____
Coniferophyta	_____
Angiospermophyta	_____

A cladogram



Analysis of evolutionary relationships using a cladogram

Using the cladogram on the left identify the closest relative of the crocodiles _____

Suggest whether the last common ancestor of primates and crocs had four limbs _____

Explain how the diagram shows the approximate date of the last common ancestor of two species _____

Classification groups in a cladogram



Evidence from cladistics (DNA analysis in particular) has caused reclassification of some groups. Explain why. _____

