

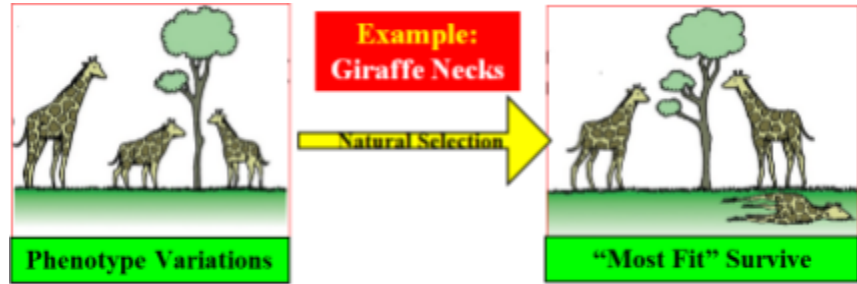
Natural Selection Fill-In Notes

Complete in **PRESENT MODE!** Click [HERE](#) for your notes presentation.

selection_: process where traits are selected for (survive) or against (die) resulting in these traits becoming __more____ or __less____ abundant in a species population.

_natural_____ _selection_____ is when this occurs __without_____ human intervention. With human intervention it is called _artificial selection.

_structural_____
_change can and do occur
as species adapt their body
parts to changing
conditions.



4 Parts of Natural Selection

Natural Selection Fill-In Notes

Double click this picture and type the correct phrases for each yellow box.



Phase 1

Overproduction

Too many offspring



Phase 2

Phenotype Variations

Offspring are born with a variety of traits. Some offspring are better suited for the environment



Phase 3

Struggle to Survive

Offspring compete for limited resources many die or are eaten



Phase 4

Successful Reproduction

The ones that survive can pass their traits to the next offspring

Natural selection acts on pre-existing traits through the results of __sexual reproduction and/or genetic mutations. Structures can take on new functions that may be similar or different to their original function.

The environmental factors involved in natural selection may be __biotic or abiotic (or both).

Biotic: refers to __living____ factors Examples: Predation or Competition

Abiotic: refers to __non living ____ factors Examples: Amount of sunlight or precipitation

Summarize the **Natural Selection in Action** example in the box provided.

Natural Selection Fill-In Notes

Out of 2 bears they have four cubs 3 with brown fur 1 with tan fur.

3 brown and 1 tan again

25 mating pairs 4 cubs each ends with 75 brown 25 tan

Brown fur provided best camo

Yet the environment changes overtime

Now it is mainly white and brown fur is now a disadvantage and lighter fur is better

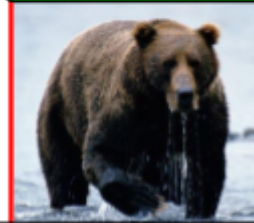
Brown fur died and tan survived

The tan fur repeated the process except for dying and created white fur bears (polar bears)

White was thriving

From Brown Bear to Polar Bear: The Origin of Polar Bears

Anatomical Evidence: Examine these phenotypes



Species Name:
Ursus Arctos



Species Name:
Ursus Maritimus



Natural Selection Fill-In Notes



Watch this [video](#)!