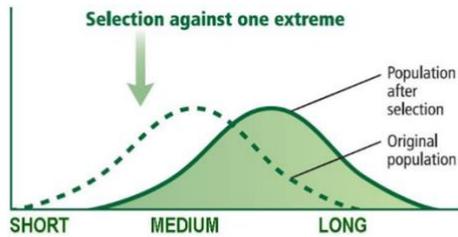


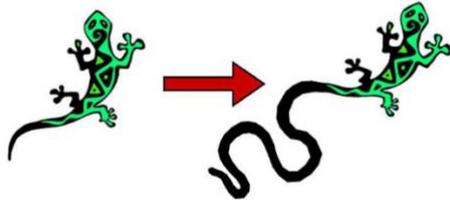
EVOLUTION CARD SORT

<p>Embryology The branch of biology and medicine concerned with the study of embryos and their development</p>	<p>Directional selection A selection that causes a shift in frequency to an extreme phenotype.</p>
<p>Vestigial Structures Inherited, but reduced in size, often unused, and no longer serves its purpose.</p>	<p>Fossil Preserved remains or imprints of ancient organisms.</p>
<p>Homologous Structures Traits that are similar in different species because the species share a common ancestor</p>	<p>Biochemistry The branch of science that explores the chemical processes within and related to living organisms.</p>
<p>Analogous Structures Structures that are similar in function but are not inherited from a common ancestor.</p>	<p>Stabilizing Selection (Genetic Equilibrium) Constant state of allele frequency.</p>
<p>Disruptive Selection A selection that does not favor the most common variation within a population.</p>	<p>DNA Technology The sequencing, analysis, and cutting-and-pasting of DNA. Examples include sequencing, polymerase chain reaction, cloning, and gel electrophoresis.</p>

Directional Selection

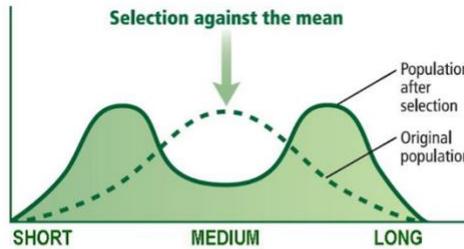


FOR: one extreme trait
AGAINST: the other extreme

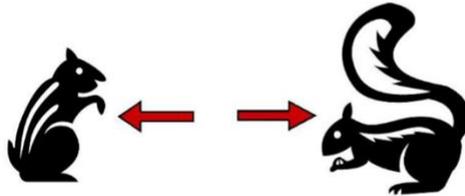


EX. Long wiggly tails look like a snake and scare predators. The longer the tail, the more it looks like a snake.

Disruptive Selection

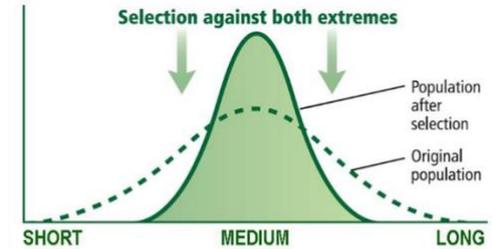


FOR: both extremes
AGAINST: moderate traits

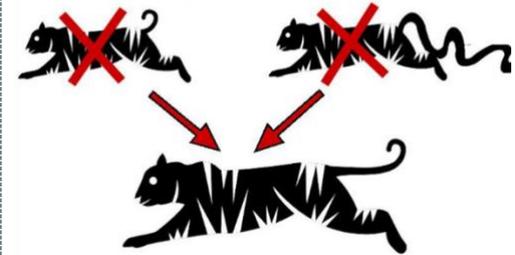


EX. Short tails help keep predators from catching you on the ground. Long tails are good for balance in the trees. Medium tails don't help.

Stabilizing Selection (Genetic Equilibrium)

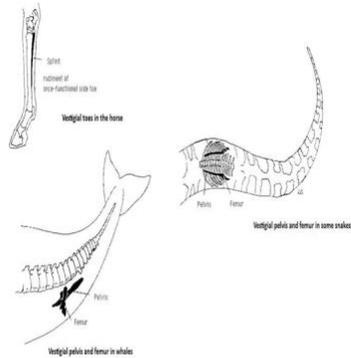


FOR: moderate traits
AGAINST: both extremes

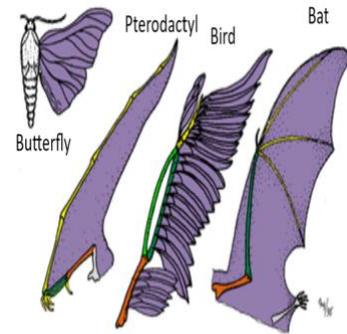


EX. Short tails mess up the cat's balance. Long tails drag on the ground. Medium tails are best.

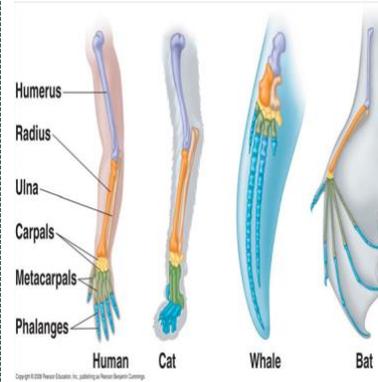
Vestigial Structures



Analogous Structures



Homologous Structures



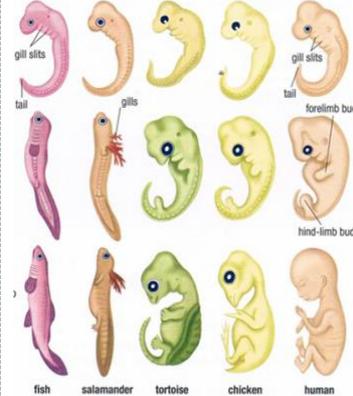
Biochemistry

Species	Sequence of Amino Acids in the Same Part of the Hemoglobin Molecules
Human	Lys-Glu-His-Iso
Horse	Arg-Lys-His-Lys
Gorilla	Lys-Glu-His-Lys
Chimpanzee	Lys-Glu-His-Iso
Zebra	Arg-Lys-His-Arg

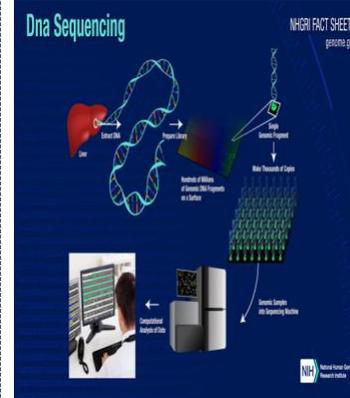
Fossils



Embryology



DNA Technology



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