

Jean-Baptiste Lamarck (France - 1744-1829)

Based his theories on:

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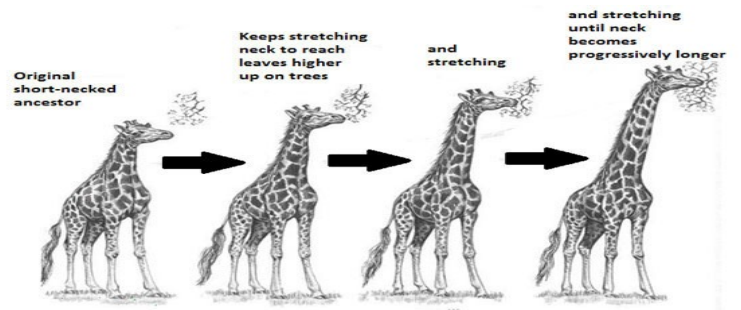


Mechanisms of Change:
Law of Use and Disuse

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Transmission of Acquired Characteristics

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Important contributions to evolutionary theory:

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What Lamarck got wrong:

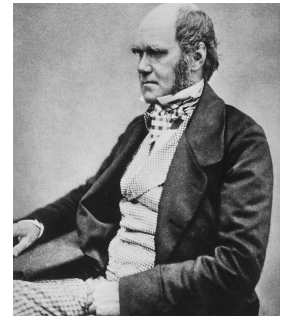
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Pre-Darwinian Ideas About Evolution:

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Charles Darwin (England 1809-1882)

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- 1831-1836 –
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- 1859 –



Voyage of the Beagle:



Galapagos Islands:



Darwin's Finches

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Galápagos Islands Finches						
Shape of Head and Beak						
Name	Vegetarian tree finch	Large insectivorous tree finch	Woodpecker finch	Cactus ground finch	Sharp-beaked ground finch	Large ground finch
Main Food	Fruit	Insects	Insects	Cactus	Seeds	Seeds
Feeding Adaptation	Parrotlike beak	Grasping beak	Uses cactus spines	Large crushing beak	Pointed crushing beak	Large crushing beak
Habitat	Trees	Trees	Trees	Ground	Ground	Ground