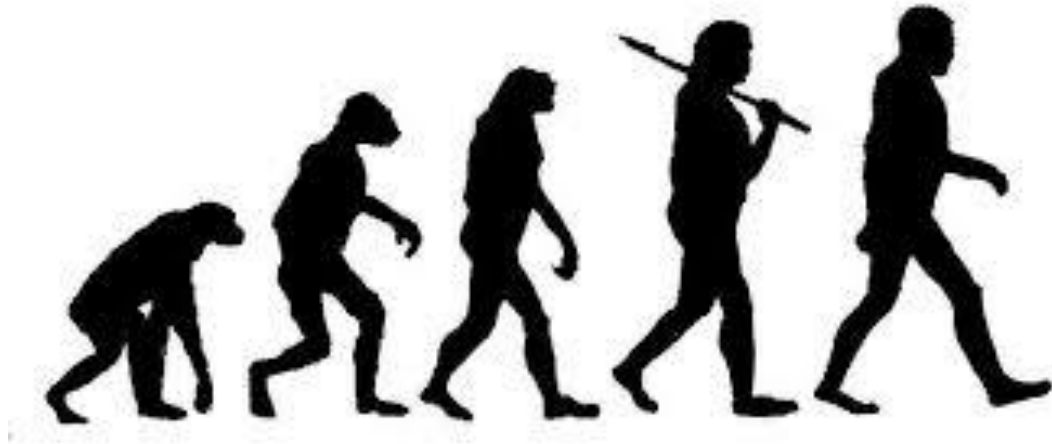


# Evolution and Inheritance

Evolution (n)

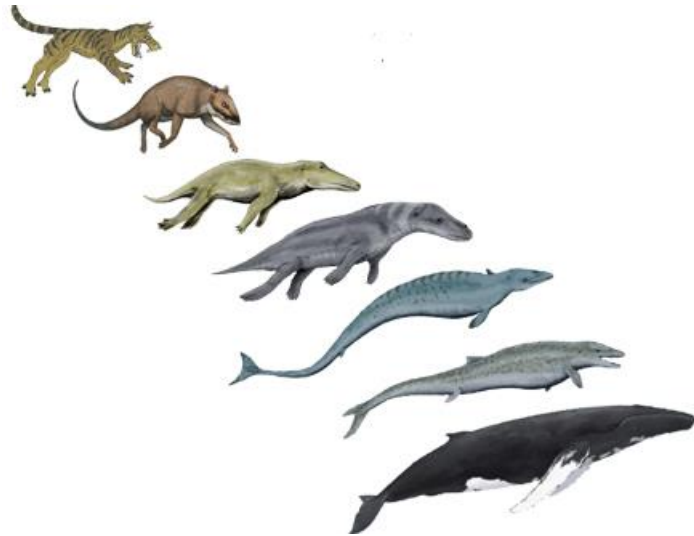
## Evolution (n)

the process by which different kinds of living organism are believed to have developed from earlier forms during the history of the earth.



evolve(v)

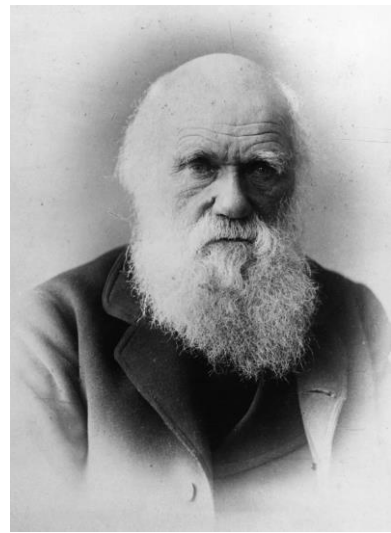
evolve(v)  
develop gradually.



Charles Darwin

# Charles Darwin

Charles Robert Darwin ( 12 February 1809 – 19 April 1882) was an English naturalist, geologist and biologist, best known for his contributions to the science of evolution.



generations



# Generations

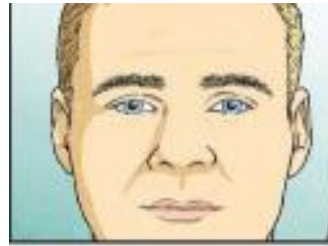
all of the people born and living at about the same time.



Inheritance (n)

# Inheritance (n)

When living things reproduce they pass on characteristics to their offspring. This is known as inheritance.



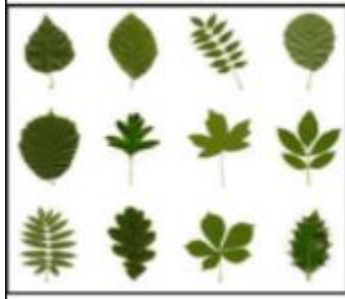
## Inherited Traits

Eye colour is an example of an **inherited trait**, but so are things like hair colour, the shape of your earlobes and whether or not you can smell certain flowers.

Inherit (v)

## Inherit (v)

to receive (a genetic character or trait) by the transmission of hereditary factors.



The shape of leaves on plants is an inherited trait. The shape depends on what is inherited from the parent plant.

naturalist

naturalist

A person who studies nature, esp. by direct observation of animals and plants.



habitat



# Habitat

the natural home or environment of an animal, plant, or other organism.



adaptation (n)

# adaptation (n)

Adaptation is the physical or behavioural characteristic of an organism that helps an organism to survive better in the surrounding environment." Living things are adapted to the habitat they live in. This is because they have special features that help them to survive.



Adapt (v)

## Adapt (v)

the process by which a species becomes fitted to its environment



biologist

# Biologist

Biology is the study of living things. A biologist is a scientist who studies biology. Biologists try to understand the natural world and the things that live in it.

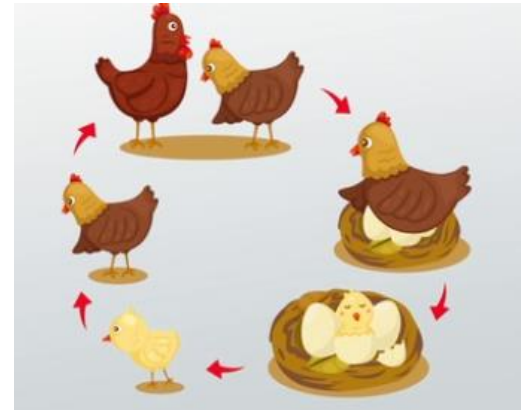


lifestyle



# Lifestyle

The unique and personal customs or habits of an individual.



Living thing

# Living thing

Image result for living thing science definition

A living thing pertains to any organism or a life form that possesses or shows the characteristics of life or being alive.

**Is it a living thing?  
Can it do these things?**

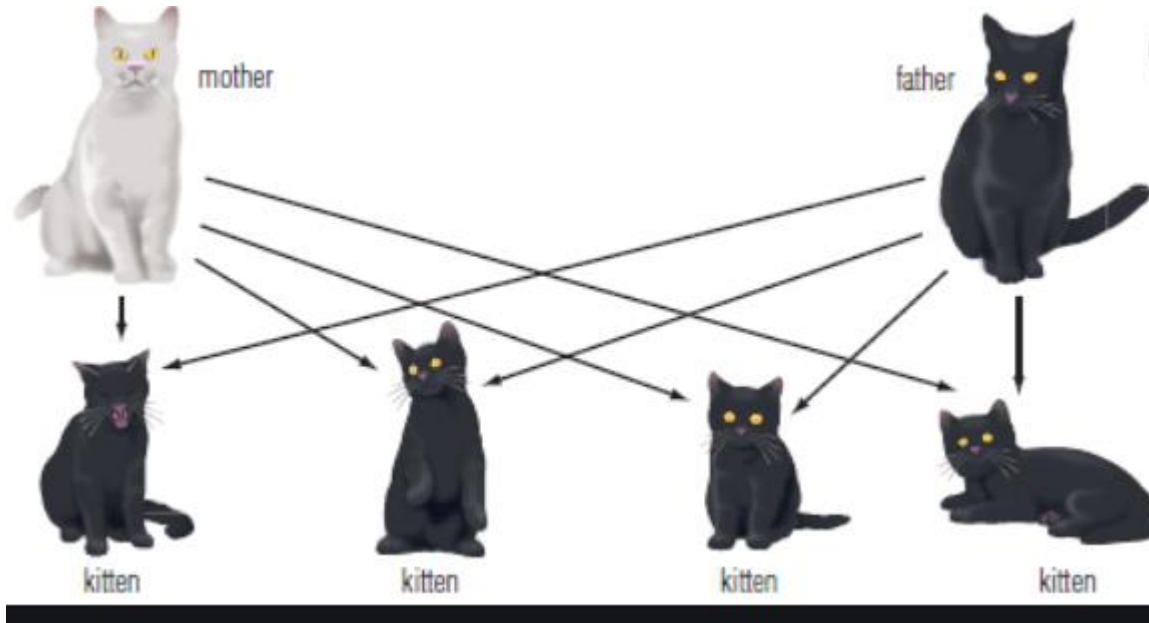
**M** Move  
**R** Respire  
**S** Sense

**G** Grow  
**R** Reproduce  
**E** Excrete  
**N** get Nutrition

traits

# Traits

A trait is a specific characteristic of an organism.



geologist

# Geologist

A geologist is a scientist who studies the solid, liquid, and gaseous matter that constitutes the Earth and other terrestrial planets, as well as the processes that shape them.

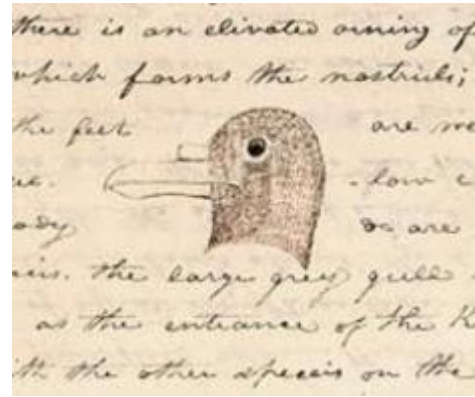


expedition



# Expedition

a journey for a particular purpose



offspring

# Offspring

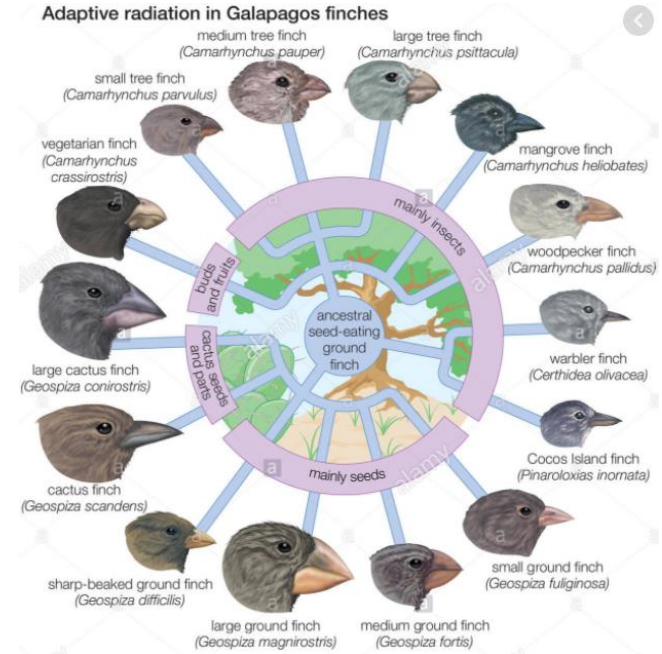
offspring are the young born of living organisms, produced either by a single organism or, in the case of sexual reproduction, two organisms.



characteristics

# Characteristics

A distinguishing quality, trait or feature of an individual



# Galapagos Islands

# Galapagos Islands

Situated in the Pacific Ocean some 1,000 km from the South American continent, these 19 islands and the surrounding marine reserve have been called a unique 'living museum and showcase of evolution'.

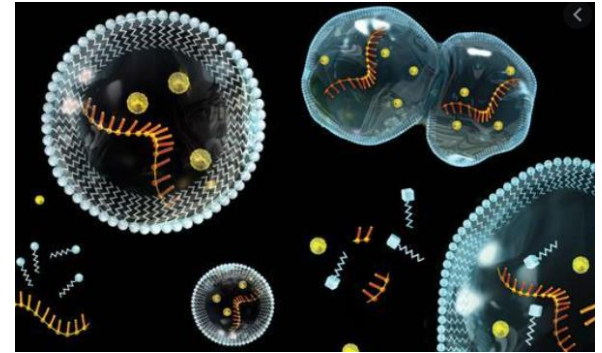


originate



# Originate

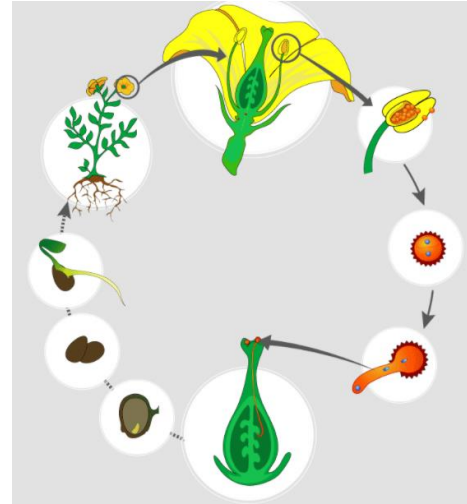
The birth, existence, or beginning; starting point.



reproduction

# Reproduction

a biological process by which an organism reproduces an offspring who is biologically similar to the organism.



environment

# Environment

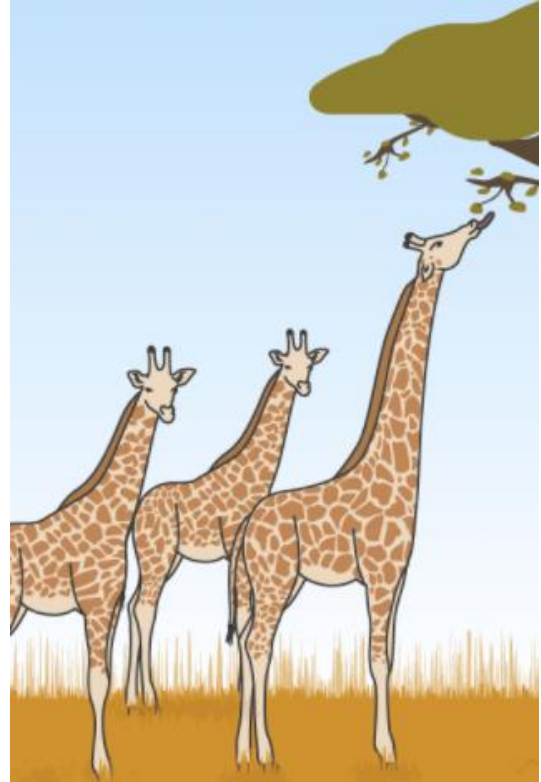
All the physical surroundings on Earth are called the environment.



natural selection

# natural selection

a process where organisms that are better adapted to an environment will survive and reproduce.

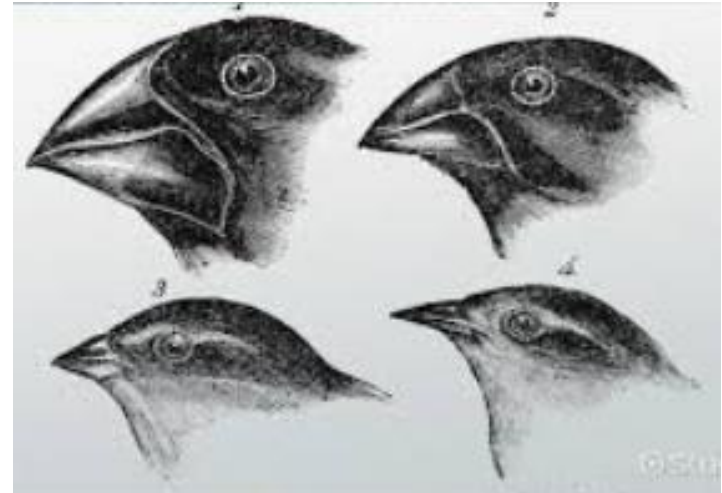


advantageous



# Advantageous

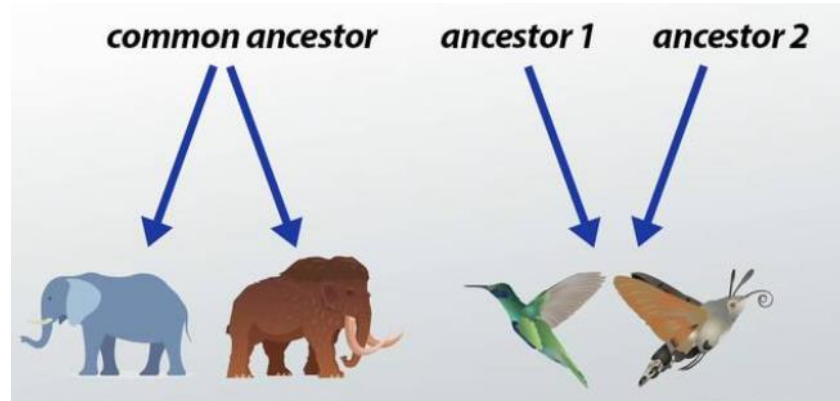
The characteristic of an organism that enables it to survive and reproduce better than other organisms in a population in a given environment; the basis for evolution by natural selection.



ancestors

# Ancestors

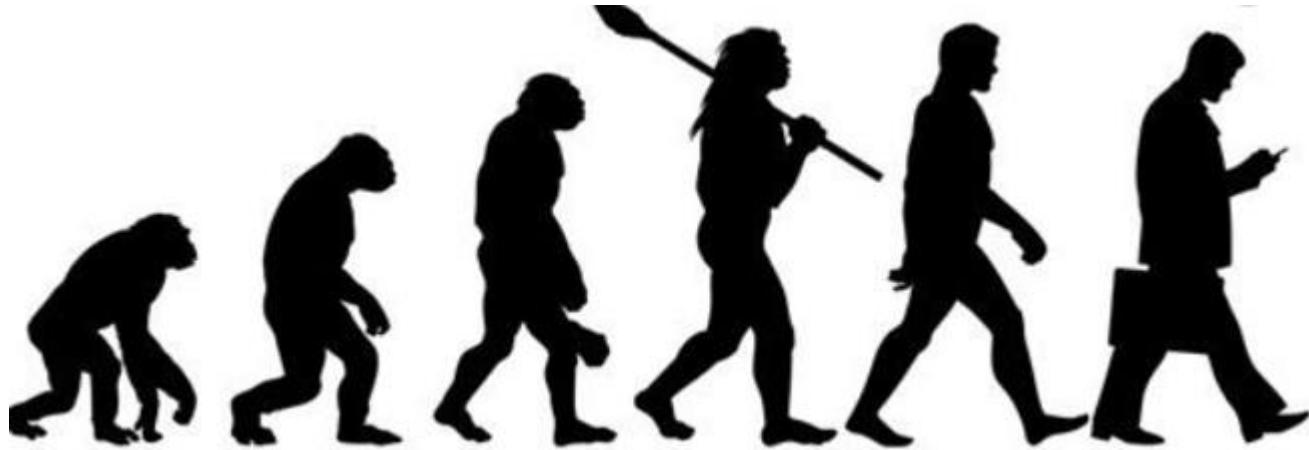
the actual or hypothetical form or stock from which an organism has developed or descended.



theory

# Theory

theory is an explanation for why things work or how things happen.



similarities

# Similarities

a sameness or likeness.



differences



# Differences

a point or way in which people or things are dissimilar.



Tree of life

# Tree of life

The tree of life is a metaphor which expresses the idea that all life is related by common descent.

