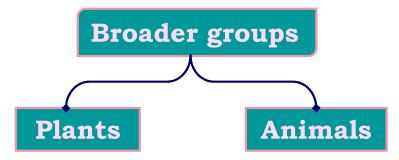
Scientists created a new system of classification by studying different characteristics of different organisms.

Major different characteristics created



Lesser different characteristics makes smaller groups More similar characteristics make more smaller sub groups.

# This is called 'Hierarchy'.

Totally different characteristics

Lesser different characteristics

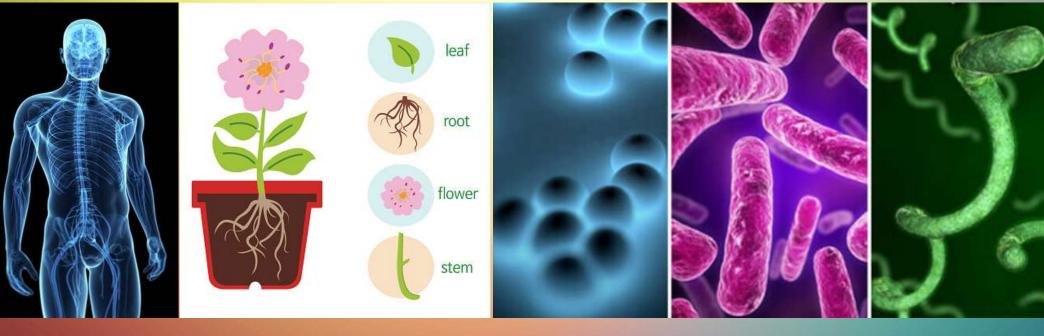
Similar characteristics

Very similar characteristics

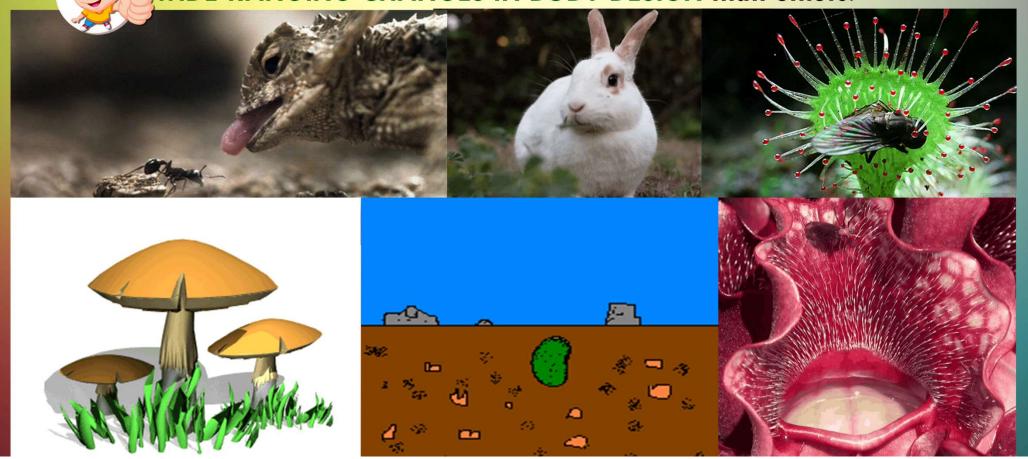
Characteristics of organisms



All living things are IDENTIFIED AND CATEGORIZED on the basis of their BODY DESIGN in form and function.



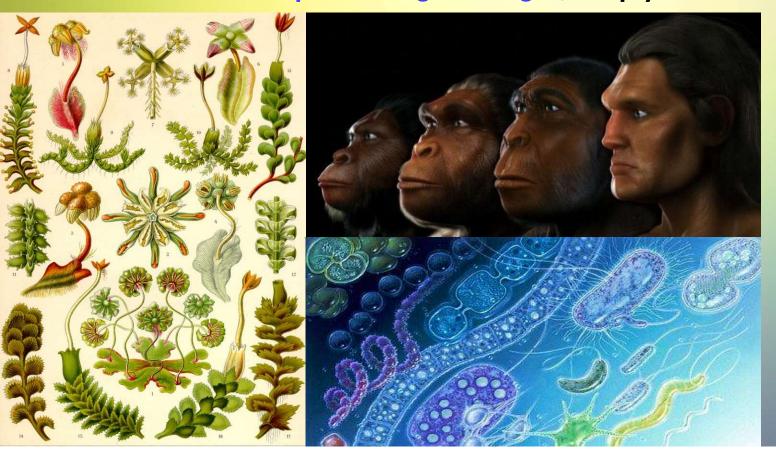
Some CHARACTERISTICS are likely to make more WIDE-RANGING CHANGES IN BODY DESIGN than others.





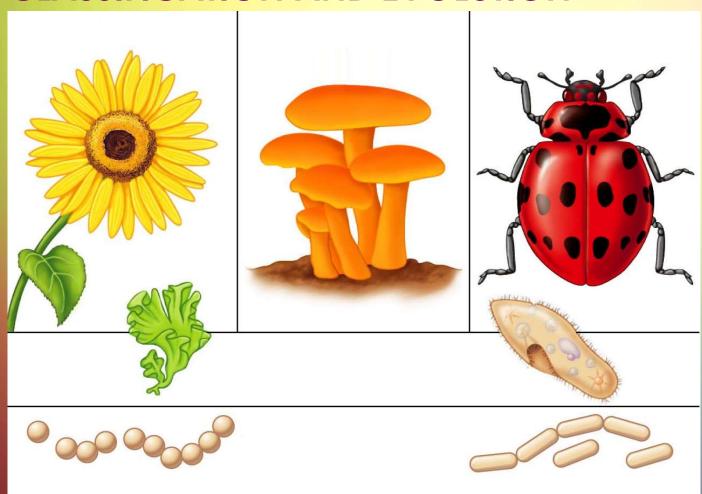
So, once a certain body design comes into existence, it will SHAPE THE EFFECTS

Of All Other Subsequent Design Changes, simply because it already exists.

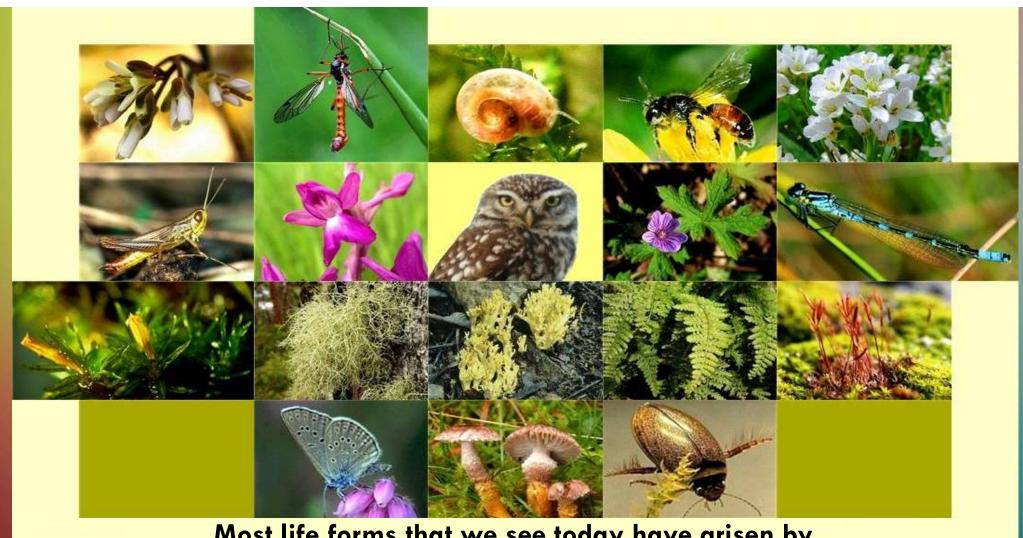


Characteristics That Came Into Existence Earlier Are Likely To Be More Basic THAN characteristics that have come into existence later.

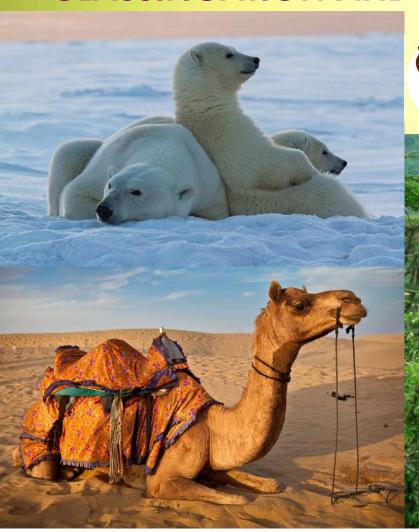




This means that the Classification Of Life Forms Will Be Closely Related To Their Evolution.

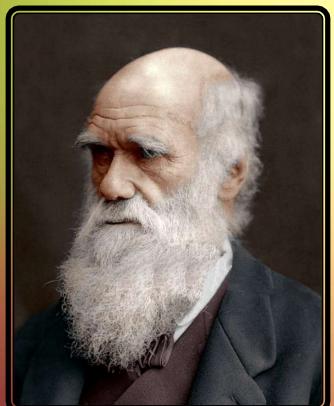


Most life forms that we see today have arisen by An Accumulation Of Changes In Body Designs.



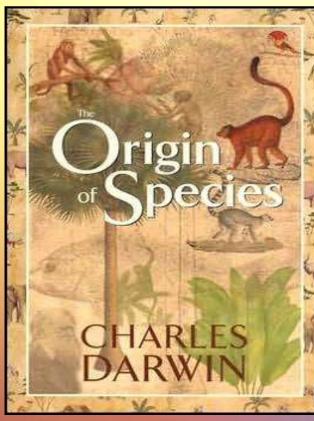
These body designs Allow The Organism
Possessing Them To Survive Better.

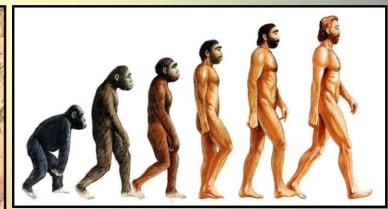




**Charles Robert Darwin** 

CHARLES DARWIN first described this IDEA OF EVOLUTION in 1859 in his book, The ORIGIN OF SPECIES.

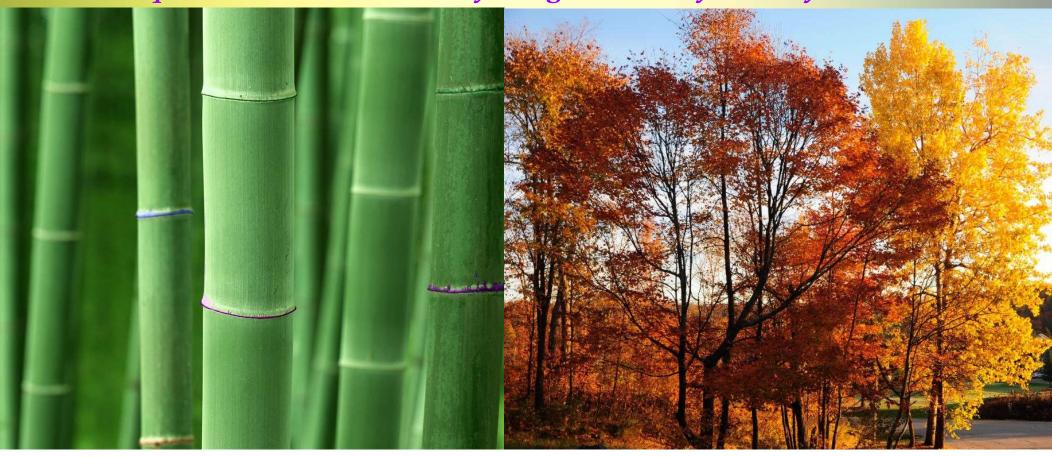




When we connect this idea of evolution to classification, we will find some groups of organisms which have ancient body designs that have not changed very much.



We will also find Other Groups Of Organisms that Have Acquired Their Particular Body Designs Relatively Recently.



Those in the *first group* are frequently referred to as 'primitive' or 'lower' organisms, while those in the second group are called 'advanced' or 'higher' organisms.



We can say is that some are 'Older' organisms, while some are 'Younger' organisms.

