Basis of Classification?
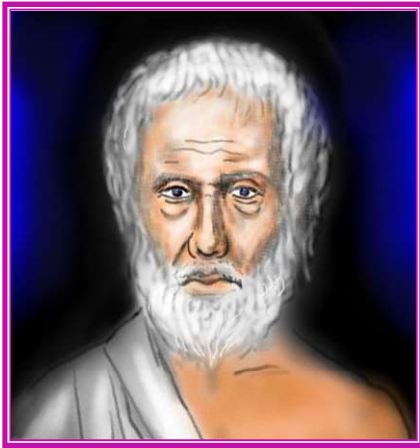
First theory of classification was given by

Classified animals according to whether they lived on

Aristotle

Land / Water / Air

Corals

Whale

Octopus

Shark

Starfish

All these animals are very different from each other

Whales

Sharks

Whale gives birth to young ones

Shark lays eggs

They have only one common thing which is *habitat*

This is not a proper way to classify and group the organism

A place where an organisms lives

So, scientists thought to derive a better way of classification by deriving which characteristics to be used on the basis of classification.

Characteristic is a particular form or a particular function.

For example, Humans have five fingers on each hand is a characteristic.

For example, Humans can run but banyan tree cannot is also a characteristic.