

* Classification of ecosystem from functional point of view :-

AUTOTROPHIC

- (i) All chlorophyllous plants and photo-synthetic bacteria
- (ii) These are referred as autotrophs
- (iii) These are called as primary producers
- (iv) Production of biomass at this level is referred as "primary productivity"
- (v) It constitute the primary trophic level
- (vi) conversion of inorganic substances to organic through photosynthetic process occurs here
- (vii) Represent higher energy state
- (viii) Higher number e.g. Green plants, photosynthetic bacteria

HETEROTROPHIC

- (i) Non-chlorophyllous plants and animals and microbes.
- (ii) These are referred as heterotrophs.
- (iii) These are called as consumers
- (iv) Secondary productivity
- (v) Secondary, tertiary and higher trophic levels.
- (vi) Breakdown of complex organic substance to simpler ones and finally to inorganic substances.
- (vii) Lower energy state
- (viii) Lesser number e.g. Humans, Fungi, other animals.