



TRY YOURSELF

ANSWERS

1. Two structural components of an ecosystem are biotic and abiotic factors. Biotic components are living organisms such as plants and animals and abiotic components are non-living factors such as water, air, nutrients and solar energy.
 2. The term ecosystem was introduced by A.G. Tansley.
 3. Two ecosystems with high productivity are: coral reefs and estuaries.
 4. A temperature of 25°C and more hastens decomposition while temperature less than 10°C reduces rate of decomposition.
 5. Aquatic food chain :
Phytoplankton → Zooplankton → Small crustaceans → Predator insects → Small fish → Large fish → Crocodile.
 6. Lindeman proposed 10% law, which states that in a food chain, only 10% of energy is transferred from one trophic level to other.
 7. Pyramid of number is inverted in tree ecosystem, as the number of individuals increase from lower level to higher trophic level.
 8. Producers (autotrophs) occupy the base of a pyramid.
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