

Vidya Bhawan Balika Vidyapeeth Lakhisarai

Arun Kumar Gupta

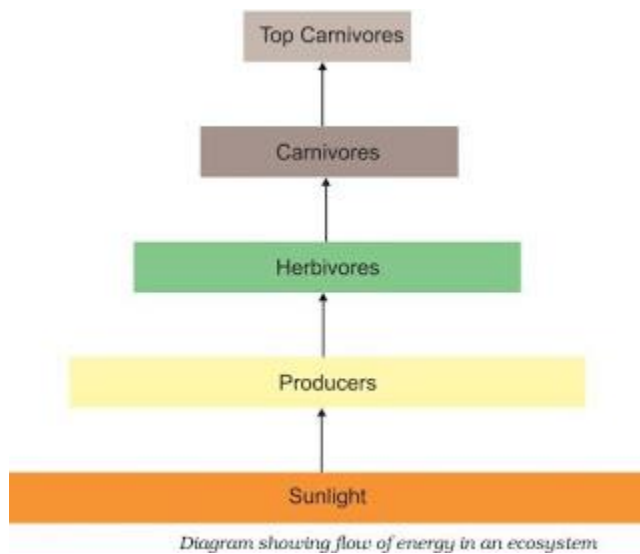
Class 10<sup>th</sup>

Sub. Biology

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→ In a food chain various steps where transfer of energy takes place is called a trophic level.

### Flow of energy between trophic levels

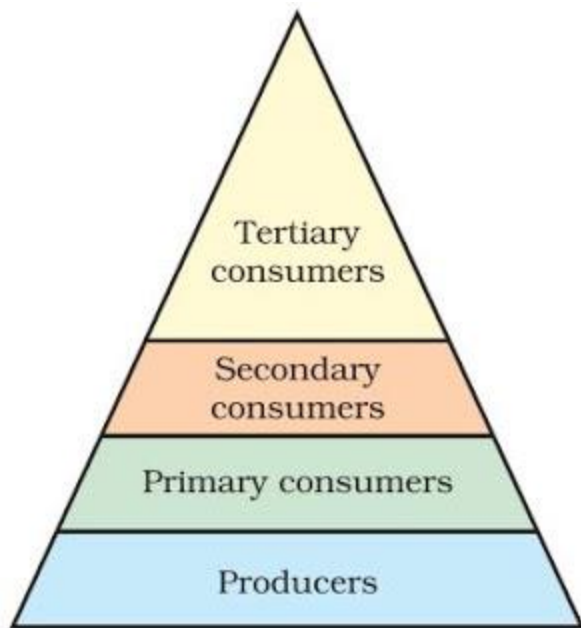


→ Flow of energy in a food chain is unidirectional.

→ Green plants capture 1% of sunlight and convert it into food energy.

→ 10 percent law : Only 10% of energy is transferred to the next trophic level. The remaining 90% energy is used in life processes (digestion, growth, reproduction etc.) by present trophic level.

→ Due to this gradual decrease in energy, food chains contain 3-4 trophic levels.



### **Trophic levels**

- Decrease in energy

1 kJ → 10 kJ → 100 kJ → 1000 kJ