

Class 12b: The biosphere

Biosphere

- *Biogeography:*
- *Ecology:*

Ecosystems

- *Ecosystems:*
- *Abiotic*
- *Biotic*

Ecosystems

- Different environmental factors at different scales
- *Limiting factor:*

Limiting factors

Ecosystem components

- *Community:*
- *Habitat:*

Ecosystem components

- *Niche:*

Biogeochemical cycles

Photosynthesis

Respiration

Productivity

- *Net primary productivity:*

Food chains and pyramids

Carbon cycle

Nitrogen cycle

Ecosystem stability

Ecosystem stability