

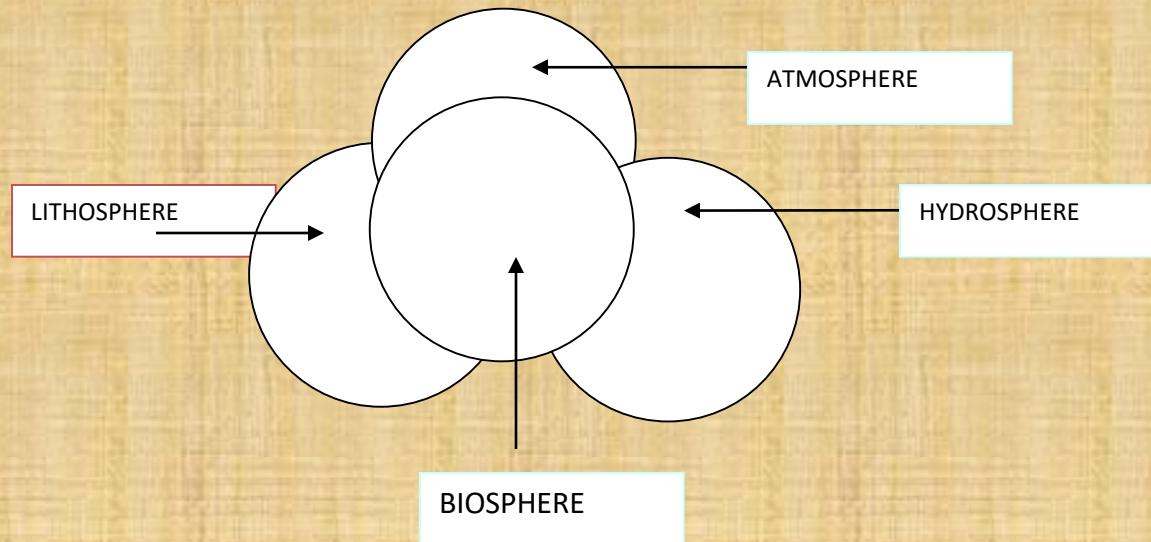
A collage of various nature scenes including a snake, forest, flowers, snail, bird, butterfly, and squirrel.

NATURAL RESOURCES

Natural resources

Natural resources: Life on this planet earth depends upon a variety of goods and services provided by the nature, which are known as Natural resources.

They are the components of the environment (i.e. atmosphere, hydrosphere & lithosphere) which includes/provides us energy, minerals, land, food, forest, water, air, plants and animals



Hydrosphere (covers 3/4th of the Earth's surface)

- Major part is marine ecosystem
- Clean water for drinking
- Water for washing and cooking
- Water used in agriculture and industry
- Food resources from the sea and freshwater resources
- Water flowing down from mountain ranges, harnessed to generate electricity in hydroelectric projects

Lithosphere

- Soil is the basis for agriculture
- Stone, sand and gravel is used for construction
- Micronutrients in soil, essential for plant growth
- Large number of minerals
- Oil, coal, and gas are extracted from underground sources.

Biosphere

- Relatively thin layer of the earth where life can exist.
- Food from crops and domestic animals
- Energy needs
- Timber and other construction materials

NATURAL RESOURCES

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graph TD; NR[NATURAL RESOURCES] --> RR[Renewable Resources]; NR --> NRR[Non-renewable Resources]; RR --- RR_L["★ Inexhaustible"]; RR --- RR_R["★ Can be regenerated"]; RR --- RR_EX["e.g., Forests, Wildlife, Wind Energy, Bio-mass, Energy, Tidal Energy, Hydro, Power..."]; NRR --- NRR_L["★ Limited"]; NRR --- NRR_R["★ Cannot be regenerated"]; NRR --- NRR_EX["e.g., Fossil Fuels like Coal, Petroleum..., Minerals..."]; NRR --- NRR_NOTE["Rate of Consumption > Rate of Regeneration"];
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Renewable Resources

★ Inexhaustible

★ Can be regenerated

e.g., Forests,
Wildlife,
Wind Energy,
Bio-mass

Energy,

Tidal Energy,
Hydro

Power...

Non-renewable Resources

★ Limited

★ Cannot be regenerated

e.g., Fossil Fuels like
Coal,

Petroleum...
Minerals...

Rate of Consumption > Rate
of Regeneration

NATURAL RESOURCES

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graph TD; A[NATURAL RESOURCES] --> B[Renewable Resources]; A --> C[Non-renewable Resources];
```

Renewable Resources

★ Inexhaustible

★ Can be regenerated

e.g., Forests,

Wildlife,

Wind Energy,

Bio-mass

Energy,

Tidal Energy,

Hydro

Power...

Non-renewable Resources

★ Limited

★ Cannot be regenerated

e.g., Fossil Fuels like

Coal,

Petroleum...

Minerals...

Non-renewable Resources:

- Those resources which can not be regenerated.
- It includes: Fossil fuels like Coal, Petroleum, Minerals etc.

Associate Problems of Natural Resources.....

- | **Pollution Problems in Air, water, land etc...**
- | **Fossil fuel consumption increasing...**
- | **Cultivation land decreases**
- | **Decreases of forest / deforestation**
- | **Food supply problem**
- | **Biodiversity Degradation**

MAJOR NATURAL RESOURCES

- ✓ Forest Resources
- ✓ Water Resources
- ✓ Mineral Resources
- ✓ Food Resources
- ✓ Energy Resources
- ✓ Land Resources