

Tender Heart High School

Section 33 B, Chandigarh

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Date: 13/1/25

Subject: Geography

Class: VII

Energy and Power Resources

1) Introduction

- Energy Resources are those resources that are used to generate energy.
- Energy resources are classified as conventional and non conventional resources.
- They are also known as renewable and non-renewable resources.

2) Non Renewable Resources

- It takes millions of years to form.
- These resources cannot be renewed.
- These include fossil fuels such as coal, petroleum and natural gas.
- These resources are harmful for environment.
- The fossil fuels create Greenhouse effect in the environment.

2) Coal

- It is major source of power
- It is used in thermal power plants to generate hydroelectricity.
- Coal is of three types
 - * Anthracite - It is best quality coal and contains more than 80% of carbon.
 - * Bituminous coal - It is widely used and contains 60-80% of carbon.
 - * Lignite and peat - These are inferior quality coal.

Distribution

In world - USA, Russia, China, UK, Poland, Germany; India.
In India - Jharkhand, Odisha, West Bengal and Madhya Pradesh.

Conservation of Coal

- It can be done in following ways:-
 - * New reserves should be discovered and new techniques should be adopted.
 - * cooking coal should be used for metallurgical Industries only.
 - * low grade coal should be mixed with high grade coal and it should be used in Industries.
 - * Small coal production units should be made economically viable.