

FOCUS ACADEMY

Kg to 12
English&Gujarati Medium

BRANCH 1- 19-B MUSLIM SOC, B/H
FIRDOS MASJID DANILIMDA
AHMEDABAD

BRANCH2-2ND 3RD AND 4TH
FLOOR,UNIQUE APT. JUHAPURA
CROSS ROAD, AHMEDABAD

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Class 10

Social Science

Chapter 8

- **Natural Resources.**
- **Meaning- Natural resources are materials created in nature that are used and usable by humans. They include natural substances (e.g., soil, water) and energy supplies (e.g., coal, gas) that serve to**
- satisfy human needs and wants.

USES OF RESOURCES

- **As food- fruits, vegetables, honey, milk etc**
- **As a source of raw material – wool, cotton, mineral ores etc**
- **As energy resource- solar insolation, wind, sea waves etc**
- **On the basis of ownership**
- Individual
- National
- Global
- **On the basis of distribution**
- Universal

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- Generally available
- Rare
- Solitary

Detail of Resource

❖ Individual Resource

- ❖ Owned by individual or family
- ❖ Example – Land, building etc.

❖ National Resources

- ❖ Owned by country or a region.
- ❖ Example- Army, international trade

❖ Global resources

- ❖ All physical and non-physical resources used for human welfare
- ❖ Example-the high oceans, the atmosphere and outer space

❖ Universal resources

- ❖ Useful gases in the atmosphere
- ❖ Example- Oxygen, Nitrogen

❖ Generally available resources

- ❖ Easily available
- ❖ Example- Land, Soil, Water, pasture land etc

❖ Rare resources

- ❖ Available at limited place.
- ❖ Example- Petroleum, coal, gold etc.

❖ Solitary resources

- ❖ Available at 1 or 2 place.

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❖ Example- Chryolite (available only in green land)

Conservation

- Conservation is a **plan** for **avoiding** the **unnecessary** use of **natural materials** such as **wood**, **water**, or **fuel**.
- When there is a danger of existence on the life of tree or a human life, the arrangement made for it is called a conservation

(T.B pg no 60)

Alluvial soil

- This soil is spread over about of total area of India. 43%
- The formation of alluvial soil is due to the alluvial deposition by the rivers.
- In this soil there is **more** proportion of potash, Phosphoric acid and lime stone.
- In this soil there is **less** proportion of nitrogen and humus.
- In this soil crops like wheat, paddy, sugarcane, jute, cotton, maize, oil seeds etc

Red soil

- This soil is spread over about 19% of total area of India.
- The soil is red in colour due to presence of **ferric oxide** and it becomes yellow as it go down.
- There is **deficiency** of lime, magnesium, phosphet, nitrogen and potash in this soil.
- In this soil crops like millet, cotton, wheat, jowar, linseed, groundnut potato etc can be grown.

Black soil {IMP}

- This soil is spread over about 15% of total area of India.

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- The other names of black soil are Regur soil and Black cotton soil.
- This soil was formed due to the spreading of Deccan lava.
- In this soil there is more proportion of iron, calcium, potash, aluminium and magnesium carbonate.
- This soil has capacity of retaining more moisture.
- In this soil crops like cotton, linseed, mustard, groundnut, tobacco etc are grown.
- As this soil is suitable to the cotton, the soil is also known as "Black cotton Soil".

Desert soil

- ✓ This type of soil is seen in the area where climate is arid or semi arid.
- ✓ This type of soil is sandy and infertile.
- ✓ This soil is found in Rajasthan, Haryana and southern Punjab, and in Kutch and same part of Saurashtra in Gujarat.
- ✓ With irrigation facility crops millet and jowar can be cultivated in this soil.

Mountain soil

- This type of soil is found in the valley and sloppy regions of Himalayas.
- The layer of this soil is very thin and underdeveloped.
- This soil is found in Assam, Darjeeling, Uttrakhand, Himachal pradesh and Kashmir.
- In Himalayas this soil is found at general altitude in the regions of pine and chid trees.

FOREST SOIL

- ❖ This soil is founded in limited area.

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- ❖ This type of soil is found within the altitude between 3000 to 3100 metres.
- ❖ The upper part of this soil becomes black due to increase of humus due to decaying leaves.
- ❖ In this type of soil tea, coffee, spices etc can be grown.

Marshy or peaty soil

- This type of soil develops in humid regions due to accumulation of biotic elements.
- In this soil there is less phosphate and potash.
- Such soil is found in Odisha, west Bengal, coastal Tamil Nadu etc,
- This soil has very limited extent.
- Paddy can be grown on this type of soil.

Soil Erosion

- “Soil that is naturally removed by the action of water or wind is called soil erosion”
- “Soil erosion is the natural process in which the topsoil of a field is carried away by physical sources such as wind and water.”
- “Soil erosion is defined as the wearing away of topsoil”

SOIL CONSERVATION

- “Soil conservation means to prevent the soil erosion and to maintain its quality.”
- Soil conservation is a method to maintain the fertility of the soil by protecting the soil from erosion and nutrient loss.
- “Soil conservation is the prevention or reduction of soil erosion and soil depletion by protective measures against water and wind damage”

Remedies of soil conservation

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- ❖ Afforestation
- ❖ Checking Overgrazing
- ❖ Constructing Dams
- ❖ Changing Agricultural Practices
- ❖ Crop Rotation
- ❖ Strip Cropping
- ❖ Use of Early Maturing Varieties
- ❖ Contour Ploughing
- ❖ Terracing and Contour Bunding
- ❖ Ploughing the Land in Right Direction

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