Chapter

# **Natural Resources and Their Use**

Se	ection A: Fill in the Blanks			
1.	Materials and substances that occur in nature and are valuable to humans are called			
2.	Renewable resources can be replenish	ed through and cycles	5.	
3.	and are two	common examples of non-renewable energy re	sources.	
4.	Overuse of chemical fertilisers leads to degradation.			
5.	The International Solar Alliance was la	unched by and in 201	5.	
Se	ction B: Multiple Choice Questions (MC	CQs)		
1.	Which of the following is a renewable resource?			
	a) Coal	b) Petroleum		
	c) Timber	d) Iron Ore		
2.	What makes a natural resource usable	?		
Ξ	a) Cultural acceptance			
00.	b) Economic feasibility			
. <u></u>	c) Technological accessibility			
www.onepointlearning.com	d) All of the above			
	Which state became fully organic in farming in 2016?			
	a) Rajasthan	b) Tamil Nadu		
nek	c) Sikkim	<mark>d) P</mark> unjab		
	The "natural resource curse" refers to:			
	a) Pollution due to resources			
	b) Resource-rich areas being poor in development			
	c) Unequal resource sharing			
	d) None of the above			
	Which traditional Indian science deals with the health of trees and plants?			
	a) Vṛikṣhāyurveda	b) Krishishastra		
	c) Ayurveda	d) Bhoomividya		
Se	ction C: Match the Following			
	Column A	Column B	Ans.	
	1. Bhadla Solar Park	a) Overexploited groundwater		
	2. Punjab	b) Responsible use of resources		
	3. Forest ecosystem	c) Produces oxygen, filters water		
	4. Stewardship	d) Located in Rajasthan		

e) Petroleum

5. Non-renewable resource

Section D: Write T for True and F for False in the boxes provided.	
1. Trees become a resource only when they are used by humans.	
2. Non-renewable resources can be replenished quickly by natural processes.	
3. Water, air, and sunlight are examples of renewable resources.	
4. Overuse of chemical fertilizers can lead to soil degradation.	
5. The 'Natural Resource Curse' suggests that more natural resources always make a country richer.	
6. A forest provides ecosystem services such as oxygen and water purification.	
7. Solar energy is a non-renewable resource.	
8. Cement production is one of the most eco-friendly industrial processes.	
9. India is part of the International Solar Alliance.	
10. Uneven distribution of resources can lead to trade and conflicts between regions or countries.	
Section E: Short Answer Questions	
1. What are renewable and non-renewable resources? Give one example each.	
Ans	
2. Why is overuse of groundwater a major concern in India?	
Ans	
3. What is meant by ecosystem services? Give two examples.	
Ans.	
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4. How does traditional knowledge like Vriksayurveda help in sustainability?	
Ans	
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Section F: Long Answer Questions	
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1. Explain three ways in which natural resources can be categorised.	
Ans	

3 What is the role of Ir	ndia in promoting solar energy? Explain with examples.		
	Tala in promoting solar energy: Explain with examples.		
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SECTION G: Case Study	, Reflection		
Based on the Punjab g	ed on the Punjab groundwater case (from your book):		
1. What caused the groundwater crisis?			
Ans			
	to prevent this in future?		
3. Write in 3-5 sentence	PS.		
	V		
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SECTION H: Map Activ	ity – Distribution of Resources in India:		
<ol> <li>Coal reserves</li> </ol>	<del>-</del>		
2. Oil fields	rions		
3. Solar energy rich reg			
3. Solar energy rich reg	about how each resource helps the economy.		
3. Solar energy rich reg	about how each resource helps the economy.		



# Answer

#### Section A: Fill in the Blanks

- natural resources
- 2. natural processes, recycling
- 3. Coal, petroleum
- 4. soil
- 5. India, France

## Section B: Multiple Choice Questions (MCQs)

- 1. c) Timber
- 2. d) All of the above
- 3. c) Sikkim
- b) Resource-rich areas being poor in development
- 5. a) VṛikṣhāyurvedaSection

# C: Match the Following

- 1. Bhadla Solar Park
- d) Located in Rajasthan

2. Punjab

- a) Overexploited groundwater
- 3. Forest ecosystem
- c) Produces oxygen, filters water

4. Stewardship

- b) Responsible use of resources
- 5. Non-renewable resource
- e) Petroleum

#### Section D: True / False

- 1. True
- 2. False
- 3. True
- 4. True
- 5. False
- 6. True 7. False

- 8. False
- 9. True
- 10. True

#### Section E: Short Answer Questions

- 1. Renewable resources are those that can be replenished naturally over time, e.g., sunlight.
- 2. Non-renewable resources cannot be replenished quickly and are finite, e.g., coal. The extraction of groundwater exceeds the natural recharge rate in many areas.
- 3. This leads to depletion of water tables, increased costs, and potential water scarcity. Ecosystem services are benefits provided by nature that support human life.
- 4. Examples: Trees producing oxygen, forests filtering water. It promotes natural ways of growing plants, managing soil, and conserving water.
- This reduces chemical use, maintains biodiversity, and supports long-term fertility.

## Section F: Long Answer Questions

- 1. Three ways to categorise natural resources:
- Renewable and Non-renewable (based on regeneration)
- Biotic and Abiotic (living vs non-living origin)
- Ubiquitous and Localised (available everywhere vs specific locations)
- 2. Groundwater crisis in Punjab causes and consequences:
- Caused by overuse of groundwater for water-intensive crops like paddy.
- Use of free electricity encouraged over-pumping.
- Chemical use led to soil and water pollution.
- Consequences: Depleted water tables, health issues, unsustainable agriculture.
- 3. India's role in promoting solar energy:
- India co-founded the International Solar Alliance in 2015.
- Set up large solar parks like Bhadla Solar Park.
- Invested in solar technology and shared resources with developing countries.

# SECTION G: Case Study Reflection

- 1. Punjab's crisis was caused by overuse of groundwater due to water-intensive crops and free electricity.
- 2. Promote crop diversification, recharge groundwater, reduce free electricity misuse, and spread
- 3. Over-irrigation during the Green Revolution caused severe depletion of groundwater in Punjab. Use of chemical fertilisers made things worse.
  - Long-term sustainable farming and efficient water use are needed.

# **SECTION H: Map**

- 1. Coal reserves Jharkhand, Chhattisgarh, Odisha, West Bengal
- 2. Oil fields Mumbai High (Maharashtra), Digboi (Assam)
- 3. Solar energy rich regions Rajasthan, Gujarat, Karnataka
- 4. One sentence each:
  - Coal powers thermal plants and supports heavy industries.
  - Oil is essential for transport, industry, and domestic use.
  - Solar energy reduces dependence on fossil fuels and supports green development.