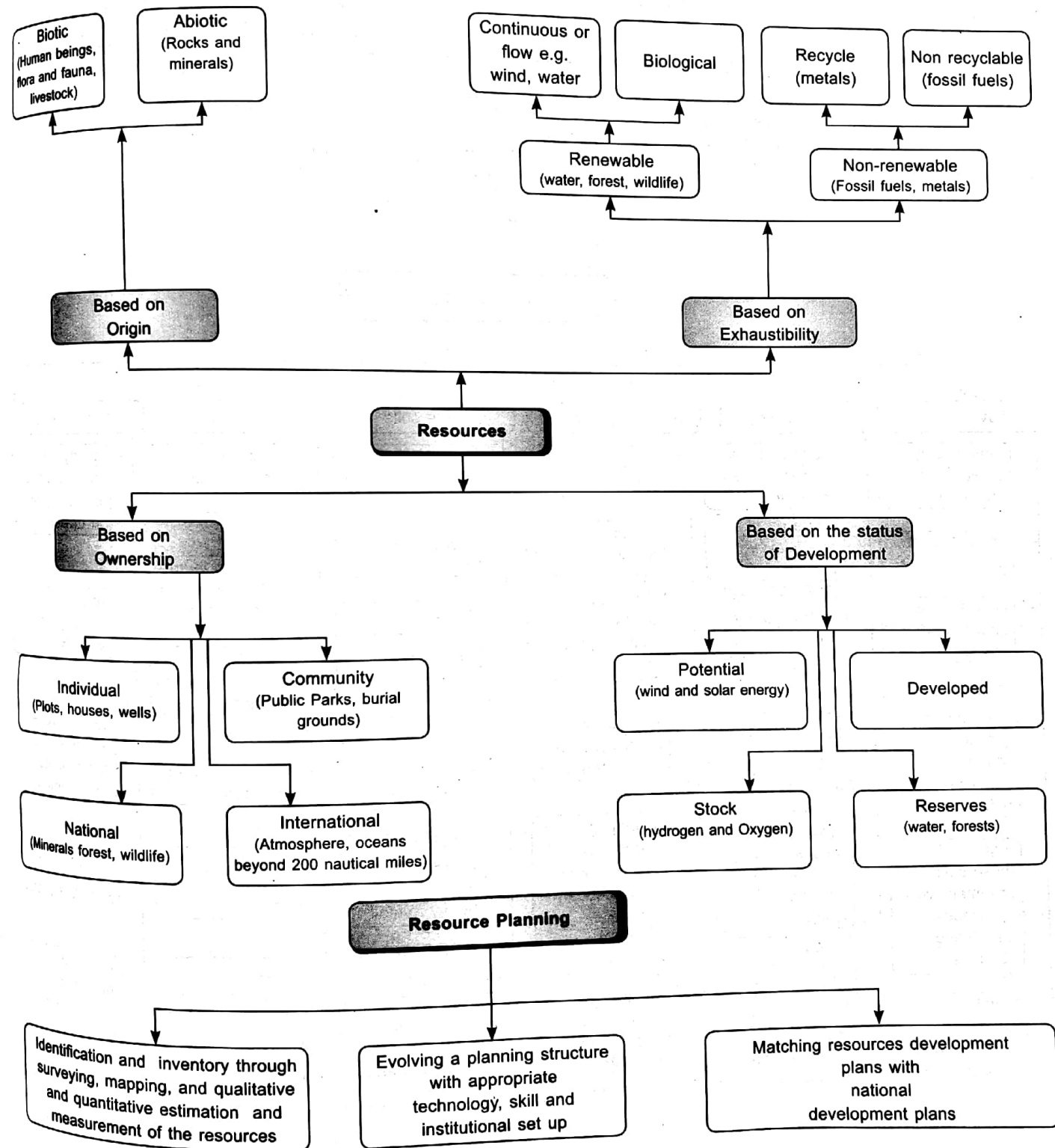
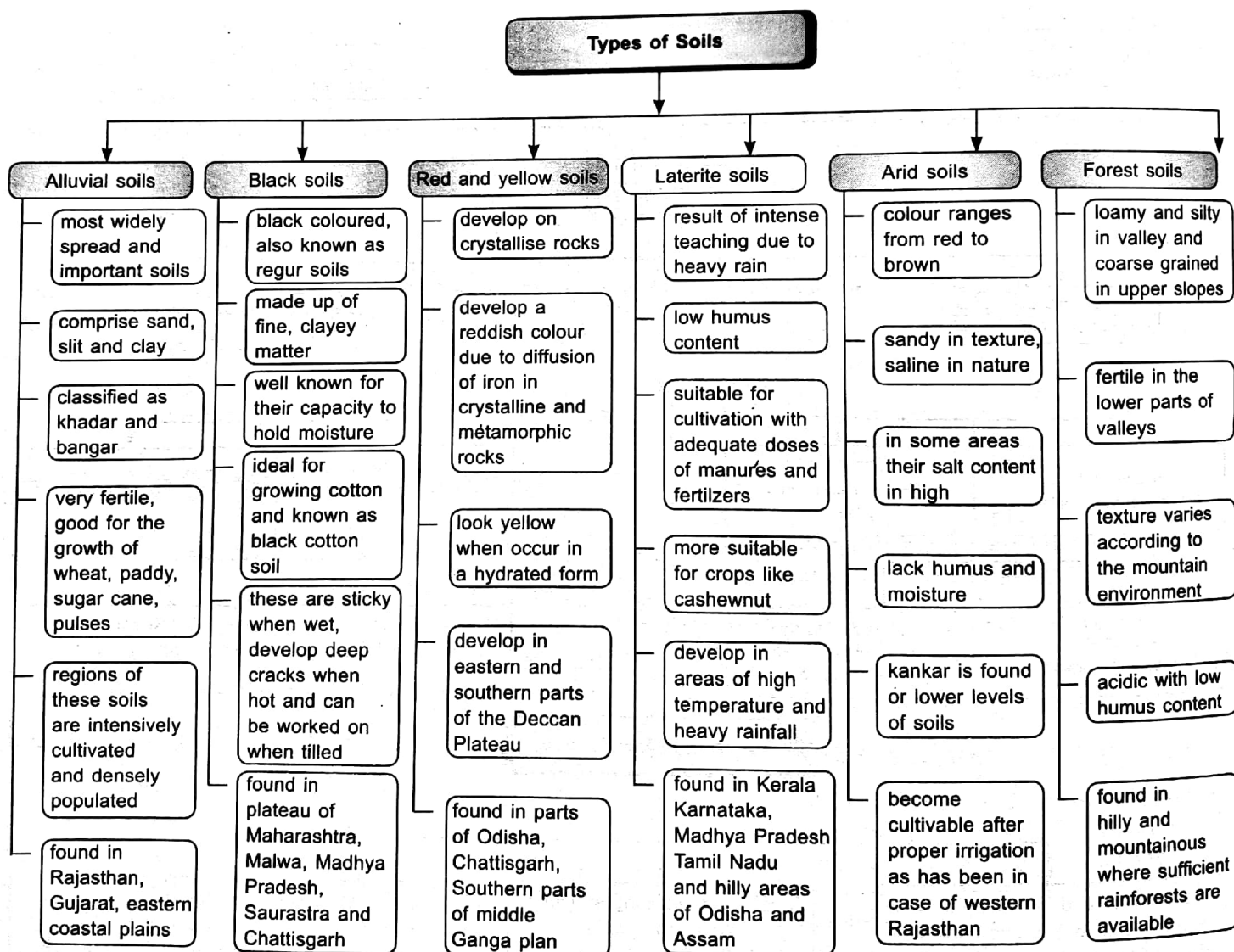
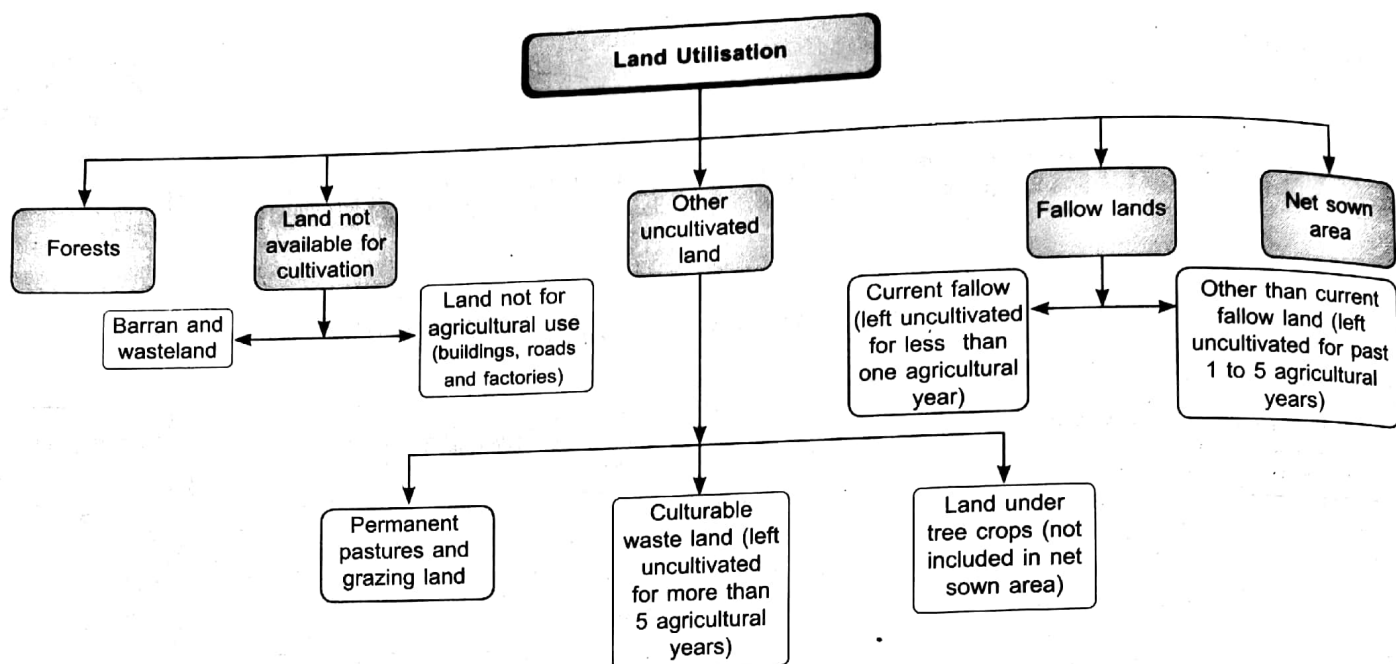


# RESOURCES AND DEVELOPMENT

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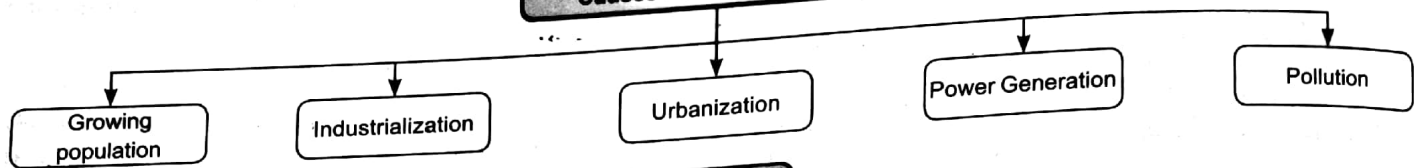
## Chapter at a Glance



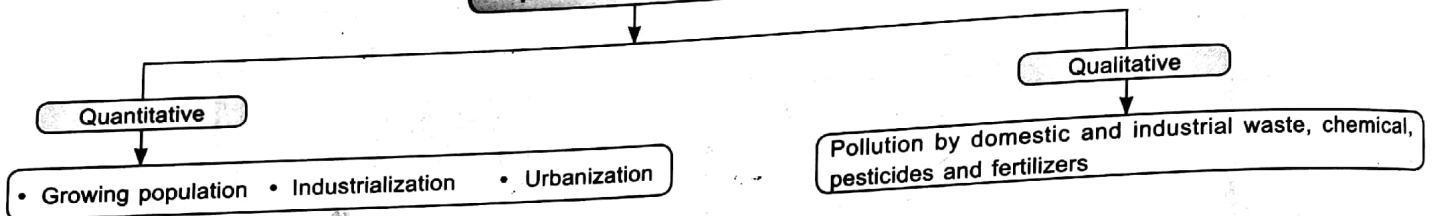


## Chapter at a Glance

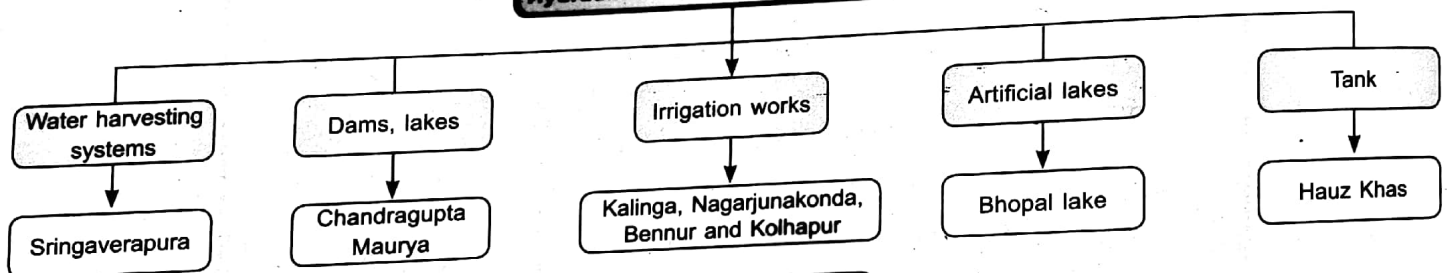
## Causes of Water Scarcity



## Aspects of Water Scarcity

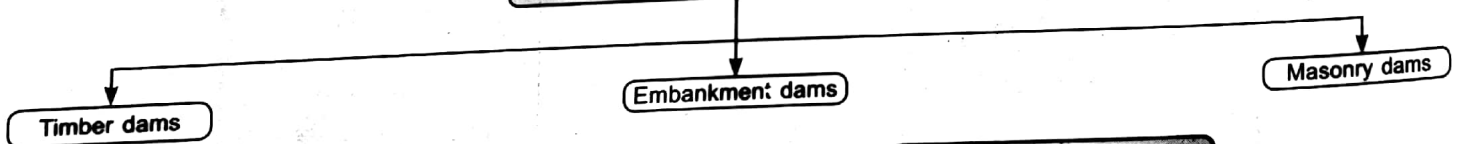


## Hydraulic Structures in Ancient India



## Classification of Dams

## Based on structure and materials used



## Advantages of Dams

- Flood control
- Hydroelectricity
- Navigation
- Recreation
- Water supply
- Irrigation

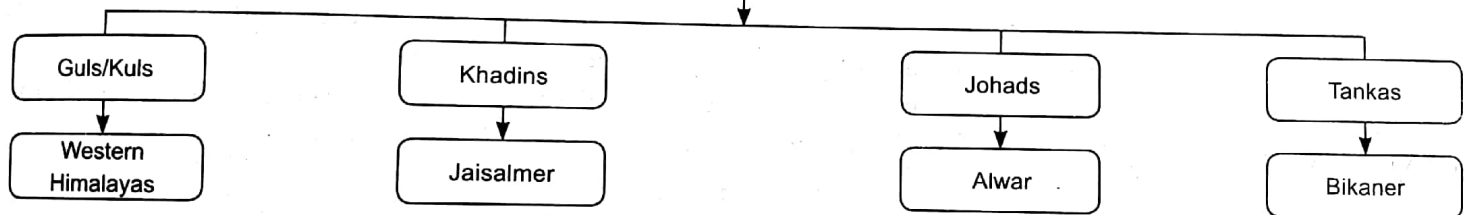
## Disadvantages of Dams

- Salination of farmland
- Waterborne diseases
- High cost of construction
- Poor habitat for aquatic life
- Restricts natural flow
- Loss of Land
- Increase earthquake intensity
- Excessive sedimentation
- Submerging of existing vegetation

## Important Dams

Dams	Rivers	States
Salal Project	Chenab	Jammu and Kashmir
Bhakra Nangal	Satluj	Himachal Pradesh and Punjab
Hirakund	Mahanadi	Odisha
Tungbhadra	Tungbhadra	Andhra Pradesh
Nagarjuna Sagar	Krishna	Andhra Pradesh
Sardar Sarovar	Narmada	Gujarat
Koyna	Krishna	Maharashtra
Tehri	Ganga	Uttarakhand
Narauna	Ganga	Uttar Pradesh
Pravara	Pravara	Maharashtra
Mettur	Kaveri	Tamil Nadu
Periyar	Periyar	Kerala
Panchet	Damodar	Jharkhand
Konar	Damodar	Jharkhand
Tilaiya	Damodar	Jharkhand
Rihand	Son	Uttar Pradesh
Maithon	Damodar	Jharkhand

### Rainwater Harvesting Systems



### Need for Rainwater Harvesting

- To overcome inadequacy of surface water to meet our demands
- To reduce decline in groundwater levels
- Sustainable development
- To improve groundwater quality
- To increase agricultural production
- To enhance ecology by increasing vegetation cover

### Advantages of Rainwater Harvesting

- Lower cost of water storage
- Efficient distribution system
- No wastage of land
- No exposure to evaporation and pollution
- Environmentally friendly
- Increases productivity of aquifer
- Reduces flood hazards
- Increases groundwater levels
- Mitigates effects of drought
- Reduces soil erosion



## NCERT QUESTIONS

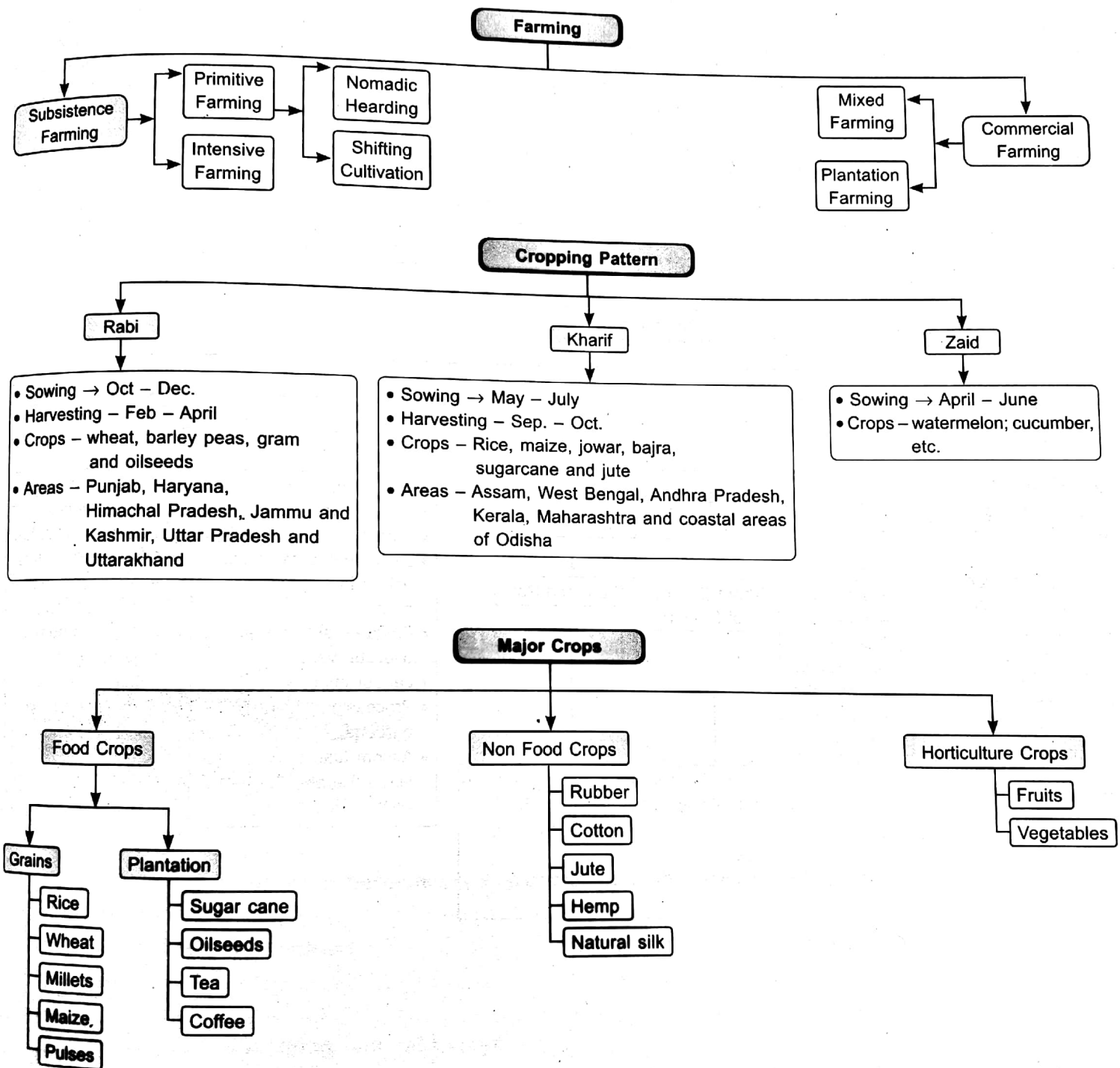
### Exercises

#### 1. Multiple choice questions

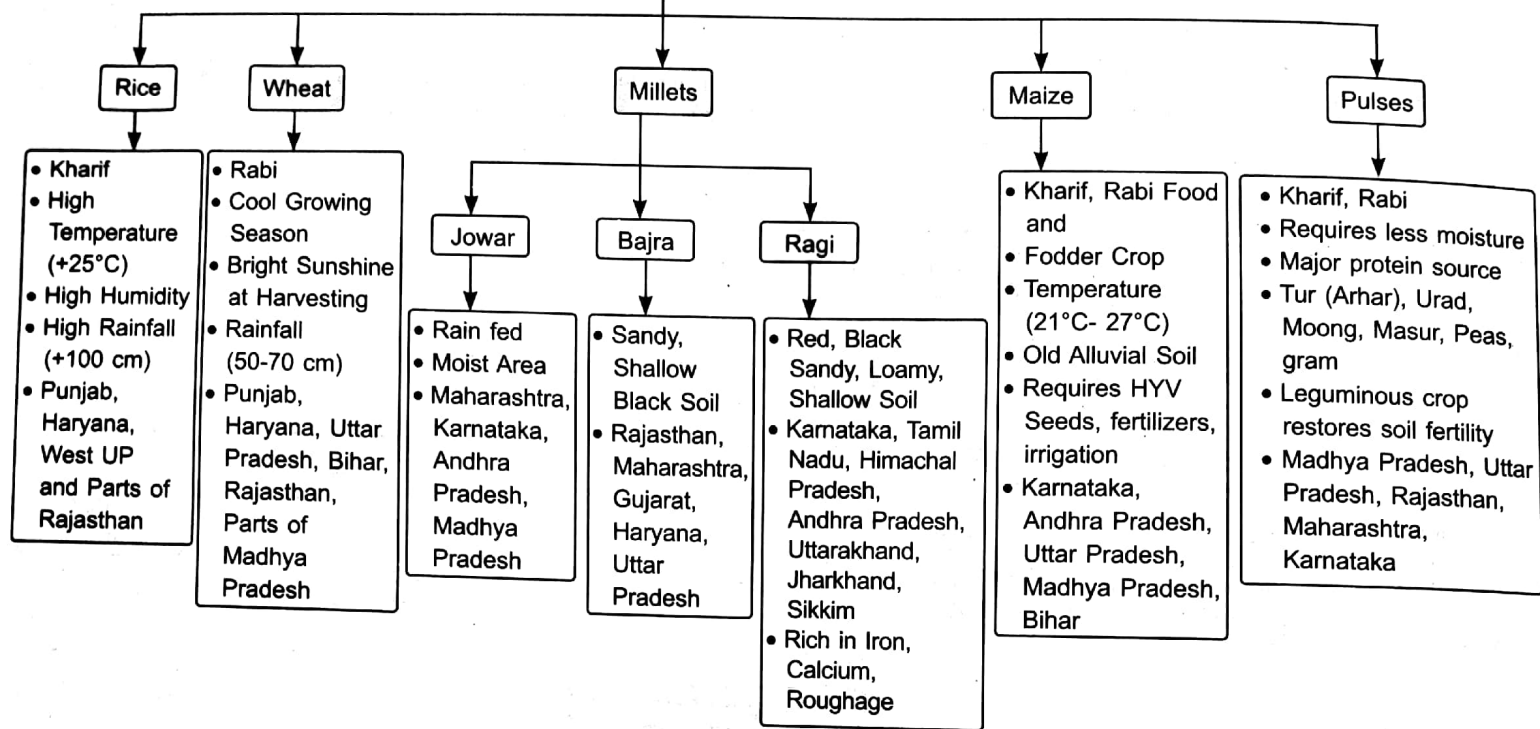
(i) Based on the information given below, classify each of the situations as 'suffering from water scarcity' or 'not suffering from water scarcity'

(a) Region with high annual rainfall

## Chapter at a Glance



## Major Crops



## Plantation Crops

