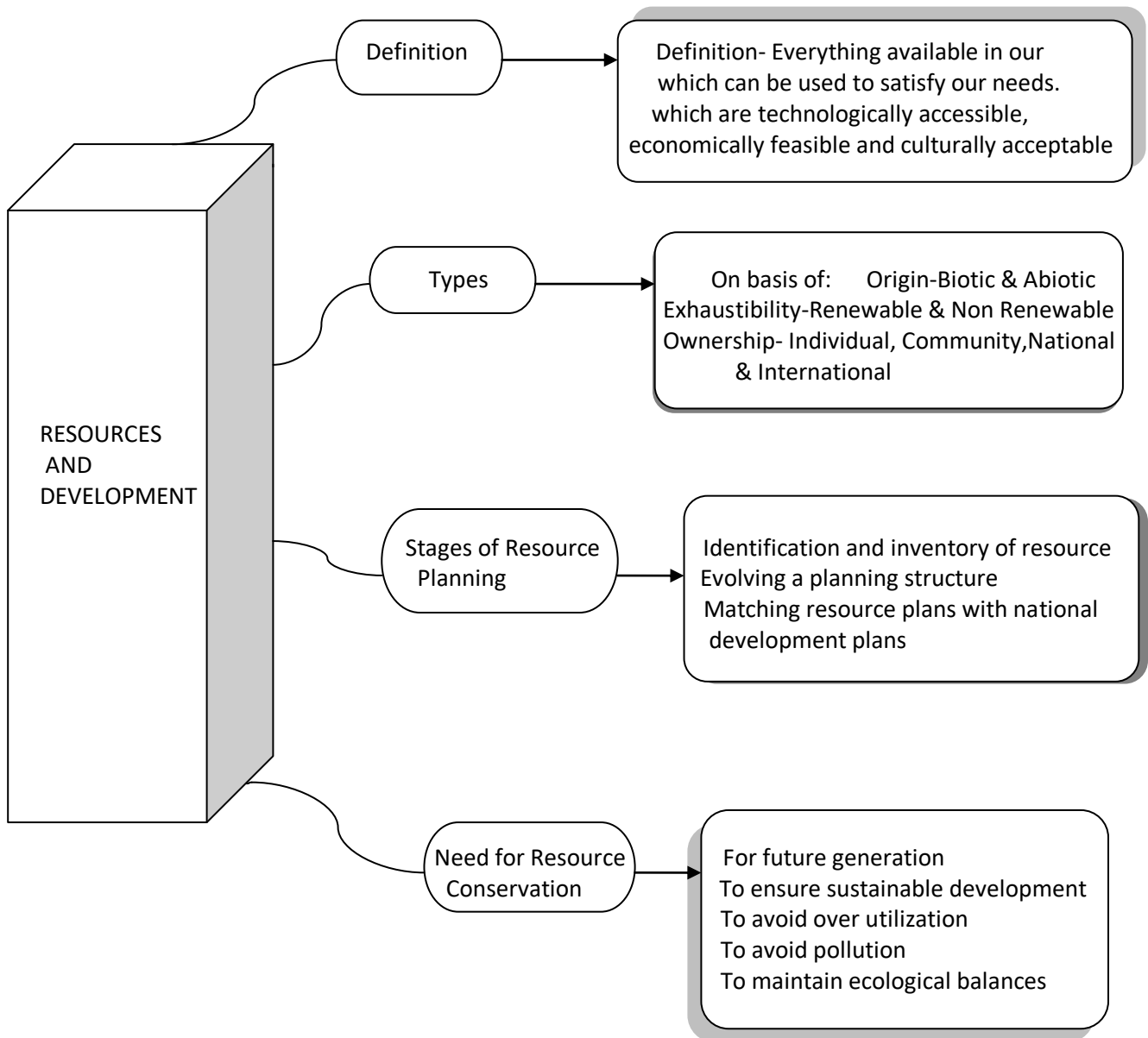


Topic	Resource and Development
Pre-requisite knowledge	Students should have a basic idea of the things which are useful in our daily lives and what we plan for our future.
Assessment of prior knowledge	Oral questions related to the things in the environment which qualify as resources and what goals students have in their lives.
Objectives	After studying the chapter the students should be able to understand the value of resources and the need for their judicious utilization.
Learning Outcomes	<u>Knowledge-</u> Understand : • Definition of ‘resource ‘and ‘development’. • Usability of the resource and identify areas where resource is depleted. • Resource planning. • How different kinds of erosion are degrading the soil • Suggest measures to check its wastage and preserve it for future. • How different kinds of erosion are degrading the soil • The term Sustainable Development Identify: The soil region based on climate of that region and the kind of erosion taking place. <u>Skills and Competencies-</u> • Classify the resources according to different groups. • Suggest measures that should be adopted to check erosion. • Use their knowledge of soil distribution in the country and plot them on a map of India. • List how resources can be used to attain sustainable development.
Transaction Methodology	• Interactive lecture method, deductive method, laboratory method and problem solving method will be used coupled with collaborative learning among the students.

	• The teacher and students will interact to learn the concept of resource planning. • Land use pattern and factors responsible for it will be discussed. • Students will be asked to think and give causes of land degradation and list out few ways to combat this problem. • The different soil types, based on climate and soil erosion will be explained.
Questions/Assessment	Q1. Does everything found in nature classify as a resource? Q2. Are resource rich countries better off in terms of living standards compared to countries poor in resources? Can you give an example of a country where this is not true? Q3. What would happen if there was no cultivable land? Q4. If all the top soil is washed away what will happen to the plants or crops? Q5. Why should we try to have sustainable development? Q6. What do you think can be done by citizens to improve the land and soil quality as individuals living in a) urban centres b) in rural areas? Q7. As a responsible citizen what steps should be taken by you to conserve resources?



LAND RESOURCES

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graph TD; LR[LAND RESOURCES] --> FLP[Factors of land use pattern]; LR --> RLDR[Reasons of land degradation]; LR --> MSLD[Methods to solve land degradation];
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Factors of land use pattern

Physical:

Topography

Climate

Soil Types

Human:

Population density

Technological capability

Culture& tradition

Reasons of land degradation

Deforestation

Overgrazing

Mining

Dumping of industrial waste

Quarrying

Methods to solve land degradation

Afforestation

Control overgrazing & mining

Shelter belts

Proper disposal of industrial wastes

