YEAR ELEVEN

GEOGRAPHY

HOME LEARNING KIT

Week 5

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| --- |
| Current vegetation in NZ | Maps nz, Vegetation, Types of soil |

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| Name : |  |
| Year: |  |
| Index no: |  |

**Lesson # 61**

**Strand: Physical Geography**

**Sub Strand: Vegetation (NZ)**

**Learning Outcome: Factors affecting vegetation**

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| **Climate** | * Amount and regularity of rainfall influences forest growth * Windward side receive high rainfall in (warmer months) encourages tropical lowland forests Namosi, Naitasiri and Tavueni. |
| **Soil** | -the type of soil and level of fertility influences plant growth  - maintain soils- weathering – support certain plant growth |
| **Relief** | * Affected drainage which in turn influences vegetation distribution * Steep slopes – high drainage run-off * Flat areas- low drainage * Rolling hill fairly good drainage support shrub growth and grassland * Poor drainage- supports mangrove forests |

ACTIVITY

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| How to Build a French Drain | Deep Green Permaculture  Y  X |

1. State where will have good and poor drainage X OR Y
2. Explain the reason why in (1) above.

**Lesson # 62**

**Strand: Physical Geography**

**Sub Strand: Vegetation (NZ)**

**Learning Outcome: Describe the Factors affecting vegetation**

**Importance of vegetation and sustainability**

* Support biota
* Source of food, fuel and habitat
* Protects soil provides logging materials- mankind
* It serves as recreation

**Problems affecting vegetation**

* Deforestation
* Bush fires
* Over grazing
* Over cultivation
* Tragedy of commoners
* Mining
* Poor farming methods
* No strict laws/ regulations- deforestation
* Kiss of death (commercial over exploitation)

**Activity**

**Conservation method research and write**

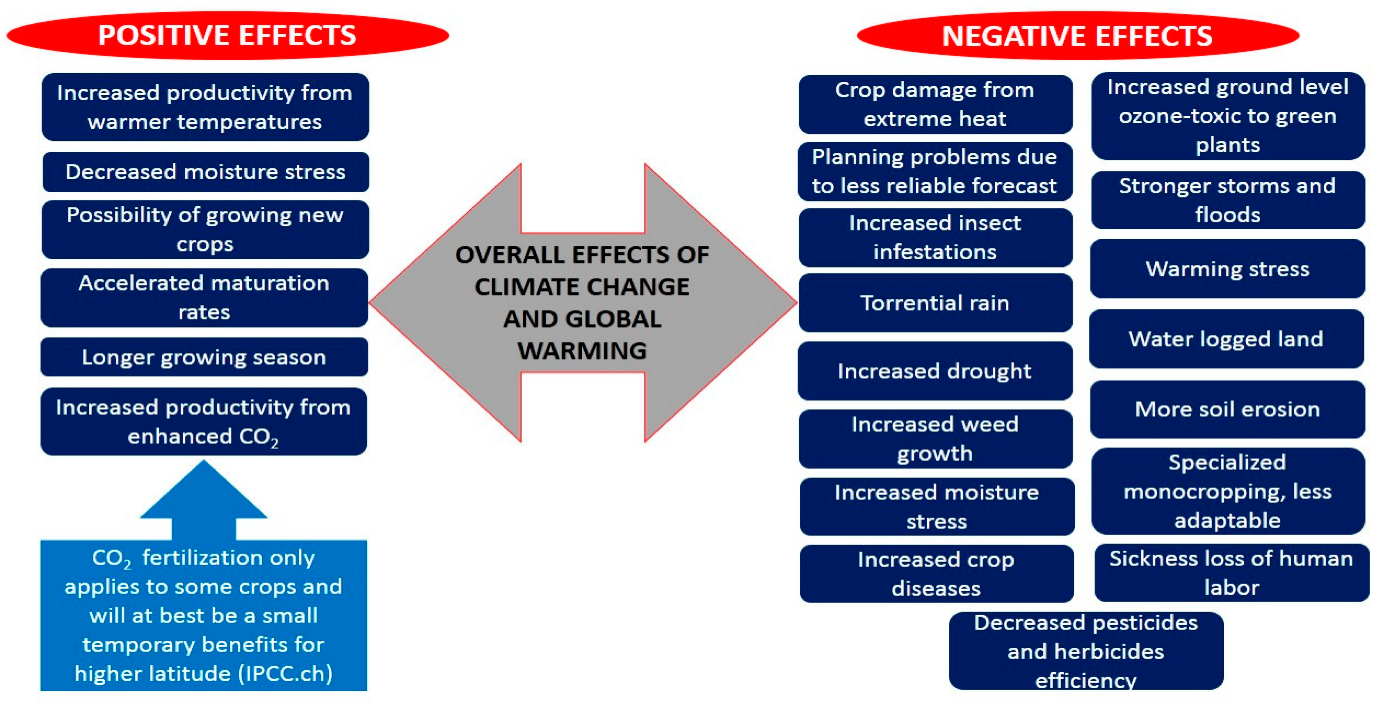
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| **1.** |
| **2** |
| **3** |
| **4** |
| **5** |
| **6** |

**Lesson # 63**

**Strand: Physical Geography**

**Sub Strand: Vegetation (NZ)**

**Learning Outcome: Describe the effects of climate change on vegetation**



Source: <https://www.google.com/search?q=effects+of+global+warming+on+plants+pdf&hl=>

Activity

1. State two ways in which global warming affects vegetation.
2. Describe one way in which heat waves affects plant growth
3. Describe one way in which torrential rain would be a disadvantage for plant growth.

**Lesson # 64**

**Strand: Physical Geography**

**Sub Strand: Vegetation (NZ)**

**Learning Outcome: describe how vegetation affects climate**

**How vegetation affects climate?**

The trees are the lungs of the mother nature. It purifies CO2 to O2

Trees keep a balance in the biota by maintaining the temperature, being part of evapo- transpiration process that affects rainfall and siltation of rivers and streams.

Note:

**Drought** – dries up vegetation and plants and restricts growth

**Sea level rises**- is associated with change in salinity (salt) in the coastal areas due to rise in sea level.

High saline environment affects many sea weed plants and mangroves.

Activity

Mapping page 94 text book

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**Lesson # 65**

**Strand: Physical Geography**

**Sub Strand: Vegetation (NZ)**

**Learning Outcome: Revision questions**

**Resource Interpretation**

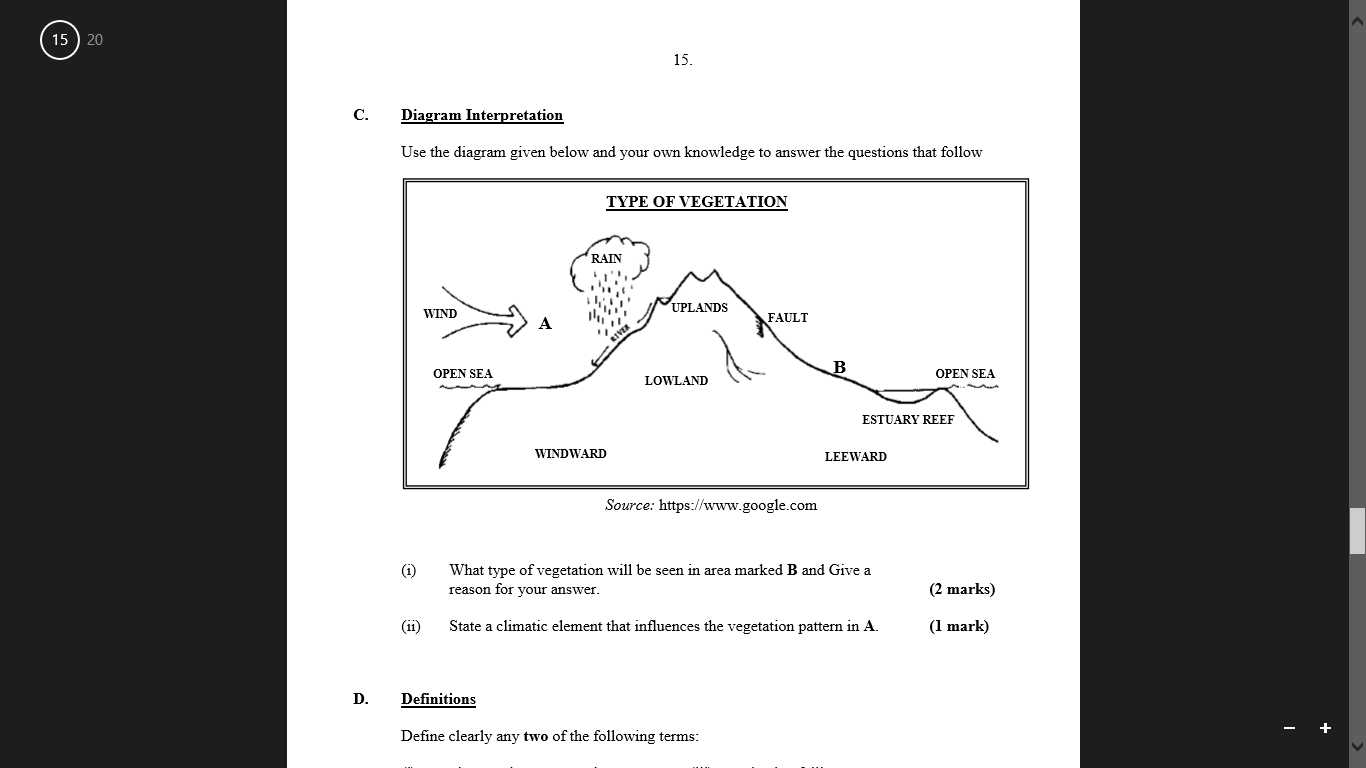
Use the resource given below and your knowledge to answer the questions that follow.



1. State one effect of deforestation and one possible solutions to this problem

**C. Diagram Interpretation**

Use the diagram given below and your own knowledge to answer the questions that follow



1. What type of vegetation will be seen in area marked B and state a reason for your answer.
2. State a climatic element that influences the vegetation pattern in A.