

# Checklist Summary

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# Weather and Climate

## 1.1 Factors Influencing Temperature

1. Latitude
2. Altitude
3. Distance from The Sea
  - (a) Maritime Effect
  - (b) Continental Effect
4. Cloud Cover
  - (a) Presence of Clouds
  - (b) Absence of Clouds

## 1.2 Rainfall

1. Convectional Rain
2. Relief Rain

## 1.3 Pressure and Winds

1. Air Pressure
2. Wind
  - (a) Wind Systems
    - Land Breeze
    - Sea Breeze
  - (b) Monsoon Winds
    - Southwest Monsoon
    - Northeast Monsoon

## 1.4 Climatic Types

1. Equatorial Climate
2. Monsoon Climate
3. Cool Temperate Climate (Marine West Coast Climate)

## 1.5 Causes of Climate Change

1. Natural Causes
  - Variations in Solar Output
  - Volcanic Eruptions
2. Antropogenic Factors / Human Activity
  - Deforestation
    - (a) Fewer trees to absorb carbon dioxide
    - (b) Carbon oxidation of the soil
  - Changing Land Use
    - (a) Agriculture
    - (b) Industries
    - (c) Urbanisation

## 1.6 Greenhouse Effect / Enhanced GE

## 1.7 Impacts of Climate Change

1. Sea Level Rise
2. More Frequent Extreme Weather Events
3. Spread of Some Infectious Inset-Borne Diseases
4. Lengthening The Growing Season In Certain Regions

## 1.8 Responses To Climate Change

1. International Level
  - Kyoto Protocol

A dramatic photograph of a volcano in eruption. A massive plume of white and grey smoke rises from the crater, partially obscuring the sky. Bright orange and red lava flows are visible at the base of the volcano, spreading across the dark, rocky terrain. The overall scene is one of intense geological activity.

## National Level

- Singapore Green Plan 2012
- Green Mark Scheme
- Plant-A-Tree programme

# Living With Tectonic Hazards

## 2.1 Internal Structure of The Earth

1. Core
  - Internal Core
  - External Core
2. Mantle
3. Crust

## 2.2 Why do Tectonic Plates Move

1. Convection Currents
2. Slab-Pull Force

## 2.3 Types of Plate Boundaries

1. Divergent Plate Boundaries

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