

9. INTERNAL LAND-FORMING PROCESSES

This area covers :-

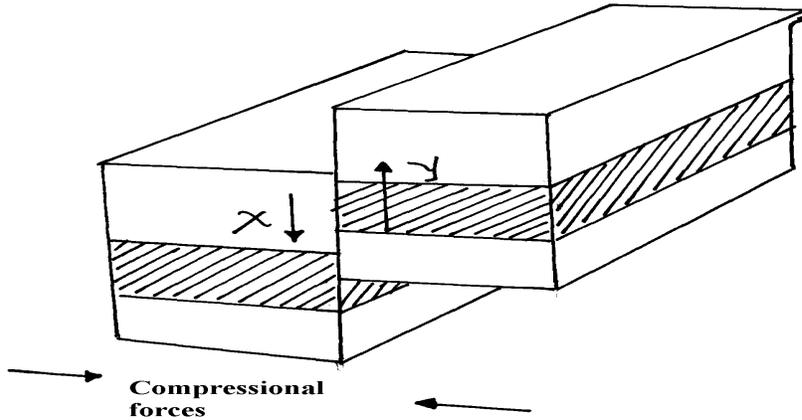
- a) **Earth Movements**
- b) **Folding**
- c) **Faulting**
- d) **Vulcanicity**
- e) **Earth Quakes**

It entails:

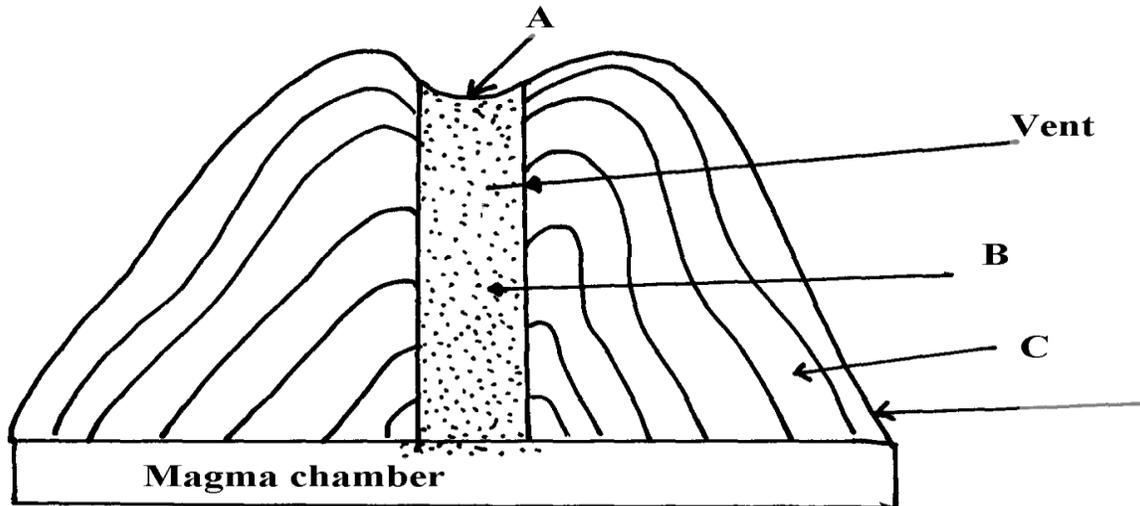
- (i) *Definition of earth movements*
- (ii) *Explaining the causes of horizontal and vertical earth movements.*
- (iii) *Explaining theories of continental drift and plate tectonics*
- (iv) *Defining folding, faulting and vulcanicity and earthquakes.*
- (v) *Explaining the*
- (vi) *Description of types of folds, faults, and forms of vulcanicity*
- (vii) *Explaining the resultant features due to folding, faulting and vulcanicity*
- (viii) *Explain causes of earth quakes.*
- (ix) *Describing how earth quakes are measured*
- (x) *Account for the world distribution of earth quake ones, fold mountain systems and features resulting from faulting and vulcanicity*
- (xi) *Explaining the significance of the resultant features of folding, faulting, vulcanicity and the effects of earth quakes.*

1. a) Composite volcano
b) i) What are earthquakes?
ii) Name **two** types of earthquakes waves
iii) Explain **three** ways in which volcanic mountains positively influence human activities
2. a) Using well labeled diagrams, distinguish between a simple symmetrical fold and an asymmetrical fold.
b) i) Name **two** fold mountains of the Alpine Orogeny
ii) With the aid of well labeled diagrams, describe how a fold mountain is formed.
c) Explain **three** positive effects of folding on the physical & human environment.
3. (a) State **three** ways in which the earth's crust is affected by the earthquakes
(b) State **two** evidences of continental drift theory
(c) Name **three** types of plate tectonic boundaries
4. (a) (i) What are tectonic plates
(ii) Give any **two** examples of oceanic plates:-
(b) Describe how the following cause earth movements:
(i) Isostatic adjustment
(ii) Magma movement in the crust
(iii) Convectional currents in the mantle.
5. (a) Give any **two** natural causes of earthquakes
(b) Name **three** characteristics of the rift valley lakes of Kenya
6. (a) State **three** characteristics of the rift valley lakes of Kenya
(b) (i) What are earth quakes?
(ii) Name **three** types of earth quake waves
c). Differentiate between extension boundaries and compression boundaries.

7. a. i) What is an earthquake
 ii) Give **two** ways in which earthquakes can be predicted
 b) State **two** ways in which faulting interferes with transport and communication lines.
8. The diagram below represents a feature resulting from faulting



- (a) Name the feature
 (b) Name part x and y
 (c) Give **three** negative of an earthquake
9. (a) Differentiate between hot springs and geysers
 (b) The feature below show an extrusive landform in a volcanic area

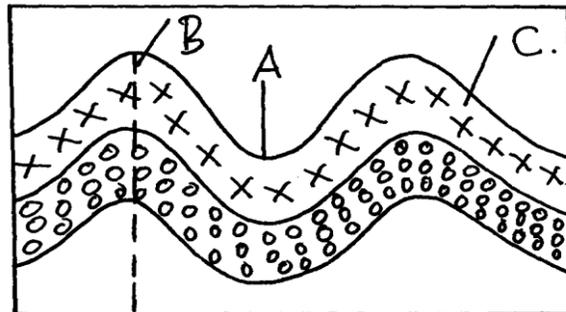


- (c) Using well labelled diagrams, describe how the following are formed:
 (i) An anticlinal fault
 (ii) An overthrust fold
- (d) (i) Explain any **three** ways in which features resulting from volcanicity are a problem to people
 (ii) Describe how subsidence can lead to formation of a caldera.
10. (a) What is the plate tectonic theory ?
 (b) Name **three** types of tectonic plate boundaries .
 (c) Explain **two** evidences that support continental drift theory.
11. (a) (i) Name **two** fold mountains in Africa apart from Atlas mountains
 (ii) Differentiate between **symmetrical** and **asymmetrical** folds
 (iii) Apart from symmetrical and asymmetrical folds, name other types of folds
 (b) (i) With the aid of well labeled diagrams explain the formation of **fold** mountains

(ii) Give **two**-examples of fold mountains in North America

12. a) Effects of the elliptical shape of the earth's orbit
b) Mention **three** causes of the earth movements
13. a) List **two** characteristics of destructive plate boundary
b) Outline three natural causes of earthquakes
b) State **two** effects of earthquakes on crystal rocks
14. a) List **two** factors that determine the degree of folding in rocks
b) State three effects of faulting on drainage systems
15. (a) State any **one** evidence that support the theory of the drifting of continents
(b)(i) Apart from Africa, name **any two** other continents that form the Gondwanaland
(ii) What is panthalassa?
16. a) Give **two** reasons why hardwood trees species in Kenya are in danger of extraction
b) State **three** problems that affect forestry in Canada

17. The diagram below shows a simple fold
(a) (i) Name the part marked **A**, **B** and **C**



- (ii) Name **two** fold mountains outside Africa
(iii) Give **three** landform associated with folded regions
- (b) With the aid of well labeled diagram describe the process of formation of Fold Mountain
(c) Explain **four** ways in which folding influences human activities