**9. INTERNAL LAND-FORMING PROCESSES**

 **This area covers :-**

1. **Earth Movements**
2. **Folding**
3. **Faulting**
4. **Vulcanicity**
5. **Earth Quakes**

 **It entails:**

* 1. ***Definition of earth movements***
	2. ***Explaining the causes of horizontal and vertical earth movements.***
	3. ***Explaining theories of continental drift and plate tectonics***
	4. ***Defining folding, faulting and vulcanicity and earthquakes.***
	5. ***Explaining the***
	6. ***Description of types of folds, faults, and forms of vulcanicity***
	7. ***Explaining the resultant features due to folding, faulting and vulcanicity***
	8. ***Explain causes of earth quakes.***
	9. ***Describing how earth quakes are measured***
	10. ***Account for the world distribution of earth quake ones, fold mountain systems and features resulting from faulting and vulcanicity***
	11. ***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 form 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 earths 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 **thee** 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