**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

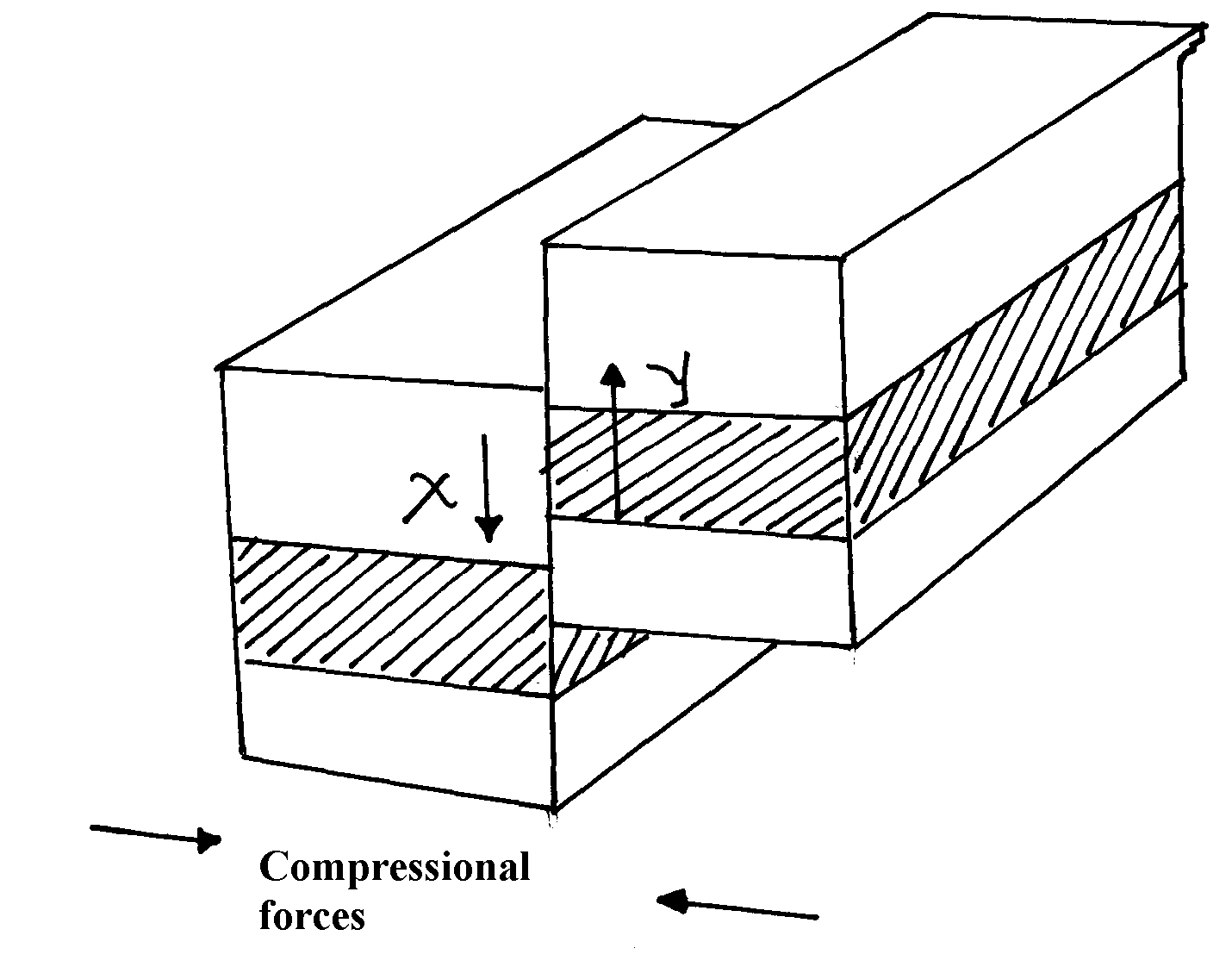
c). Differentiate between extension boundaries and compression boundaries.

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

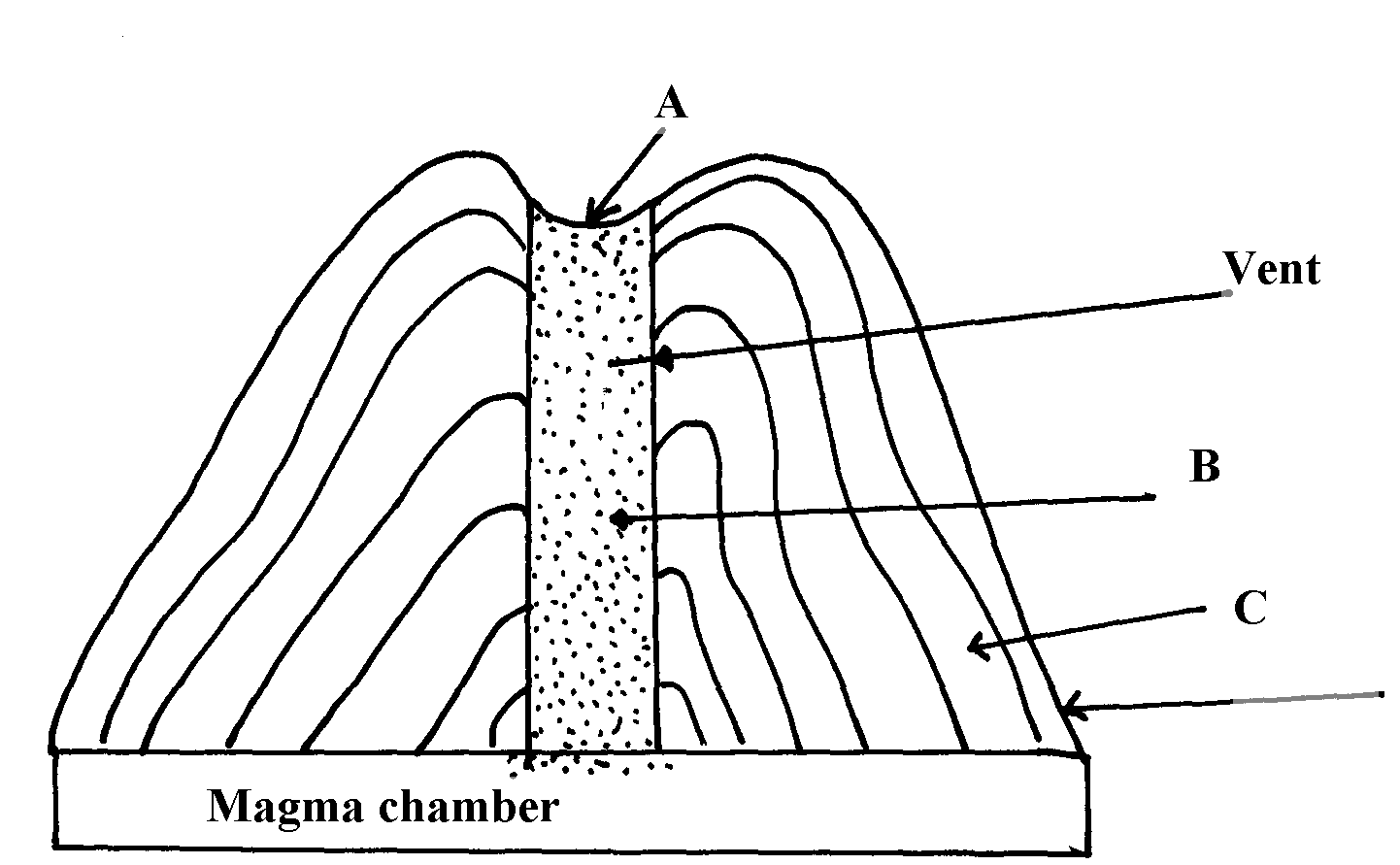


(a) Name the feature

(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

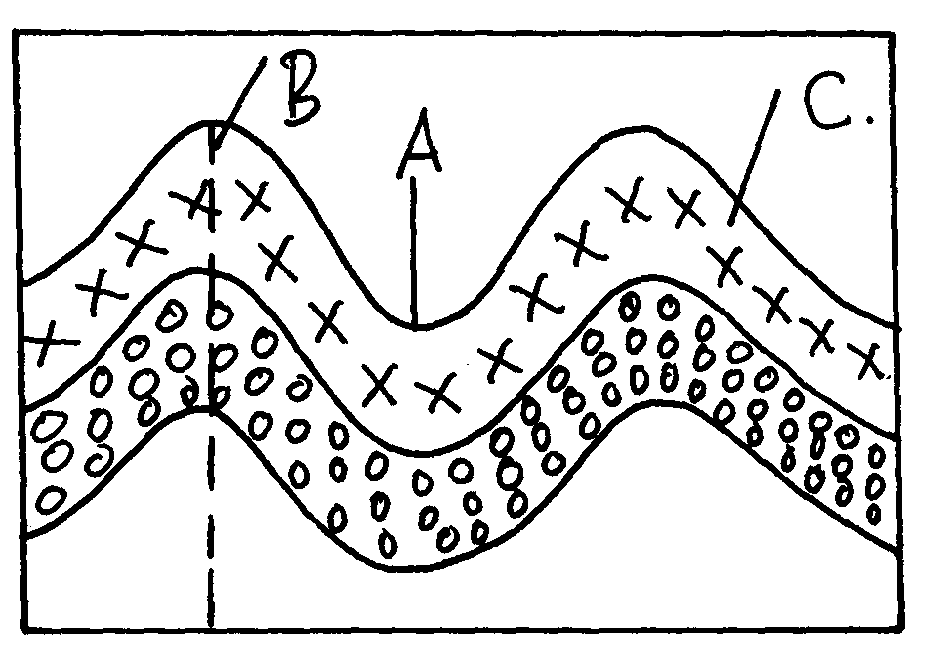
(ii) What is panthalassa?

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