



Musaeus College

Study Pack 2 / Week 2 /March 2020

Grade: 07

Subject: Science

Medium: English

Lesson 1:

Activity 8.1

Preparation of the replica of the internal structure of the earth

(Do the activity on a separate paper)

Need: cardboard, saw dust/ paper pieces/ grains etc/ colours/glue

Method:

Draw a circle with radius of 1cm at the centre of the cardboard

Draw another circle with 7cm radius, which is concentric with the above circle

Draw another with 13cm radius, which is concentric of above two circles

Now colour the circles. You can colour circles with sawdust/ paper pieces/ grains etc.

Lesson 2:

Activity 8.2

Preparation of a three dimensional replica of the internal structure of the earth

Need : clay in three colours , knife

Follow the method and make the internal structure of the earth by using clay.



Lesson 3:

Tectonic plates and plate tectonics

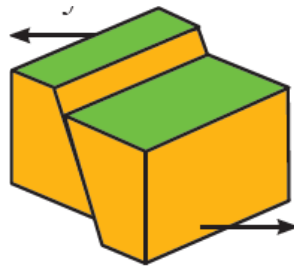
The earth crust divides into sections called tectonic plates. These plates move relatively to each other.

Plate movements can be recognized on plate margins.

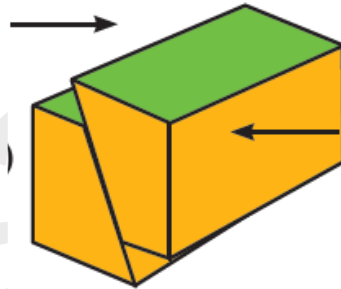
Most of the plate boundaries or margins are at the bottom of the sea.

Tectonic plates move in three ways

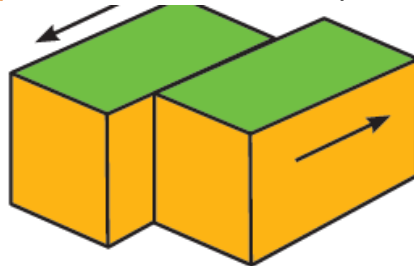
1. **Two plates move apart** – deep gulf could occur



2. **One plate moves apart**- an earthquake could occur in this instance



3. **Two plates slide past each other** – earthquake could occur in this instance too



- ❖ When this occur on the land they can be easily recognized
Eg. San Andrea's fault in North Africa

Assignment 8.2

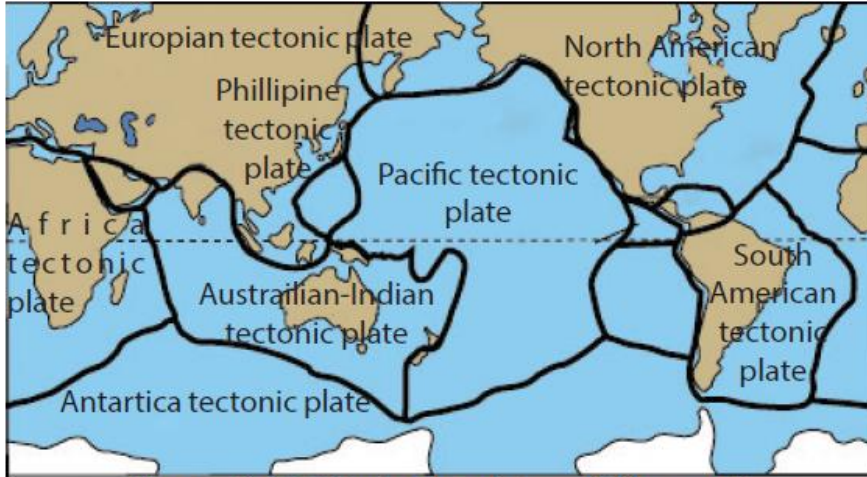


Figure 8.8 ▲ Tectonic plates of the earth

Study the map in figure 8.8. It shows the tectonic plates of the earth. Find the tectonic plates near

1. Sri Lanka
2. India
3. Nepal
4. Europe

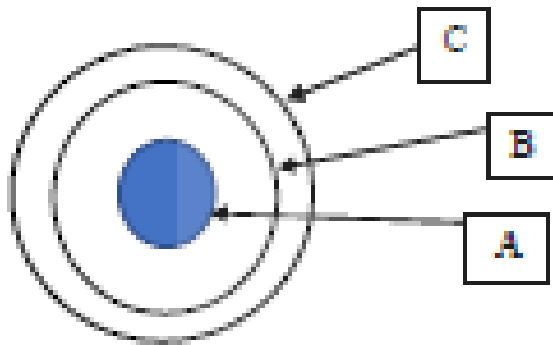
Lesson 4:

Do a literature research to find out the geological history of the earth and prepare a report. Use the internet, reports on geological findings and geographical books.

Lesson 5:

Revision

1. Do the exercise questions in the page 116.
2. Below diagram shows the inner part of the earth
 - I. Name A B C



A

B

C

- II. What is the surface of the earth where life exists?
- III. Which layer is the thickest layer of the earth?

3. I. Below diagram shows the replica of a hardboiled egg cut across from top to bottom.
- a. Egg yolk
 - b. Egg white
 - c. Eggshell

II. Cross section of an avocado can use to show the layers of the earth. Draw a diagram to show which sections of the avocado corresponds with above three areas of the earth.

4. Underline the correct answer

- I. Which method is suitable to show the movement of tectonic plates?
 - a. Cardboard pieces
 - b. Styrofoam balls
 - c. An avocado
 - d. Orange with thick skin

- ii. Tsunami brought severe destruction to the coastal areas of Sri Lanka in,
 - a. 2014
 - b. 2010
 - c. 2004
 - d. 1914

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