



Book 4A Unit 1 (Chapter 1-3) Happy Preview (1)



Grade: _____

Date: 15th September, 2025Module and Topic: Book 4A Unit 1 Ch.1 Structure of the Earth

A. Learning Objectives:

1. What is the structure of the Earth?
2. How are earthquakes formed?

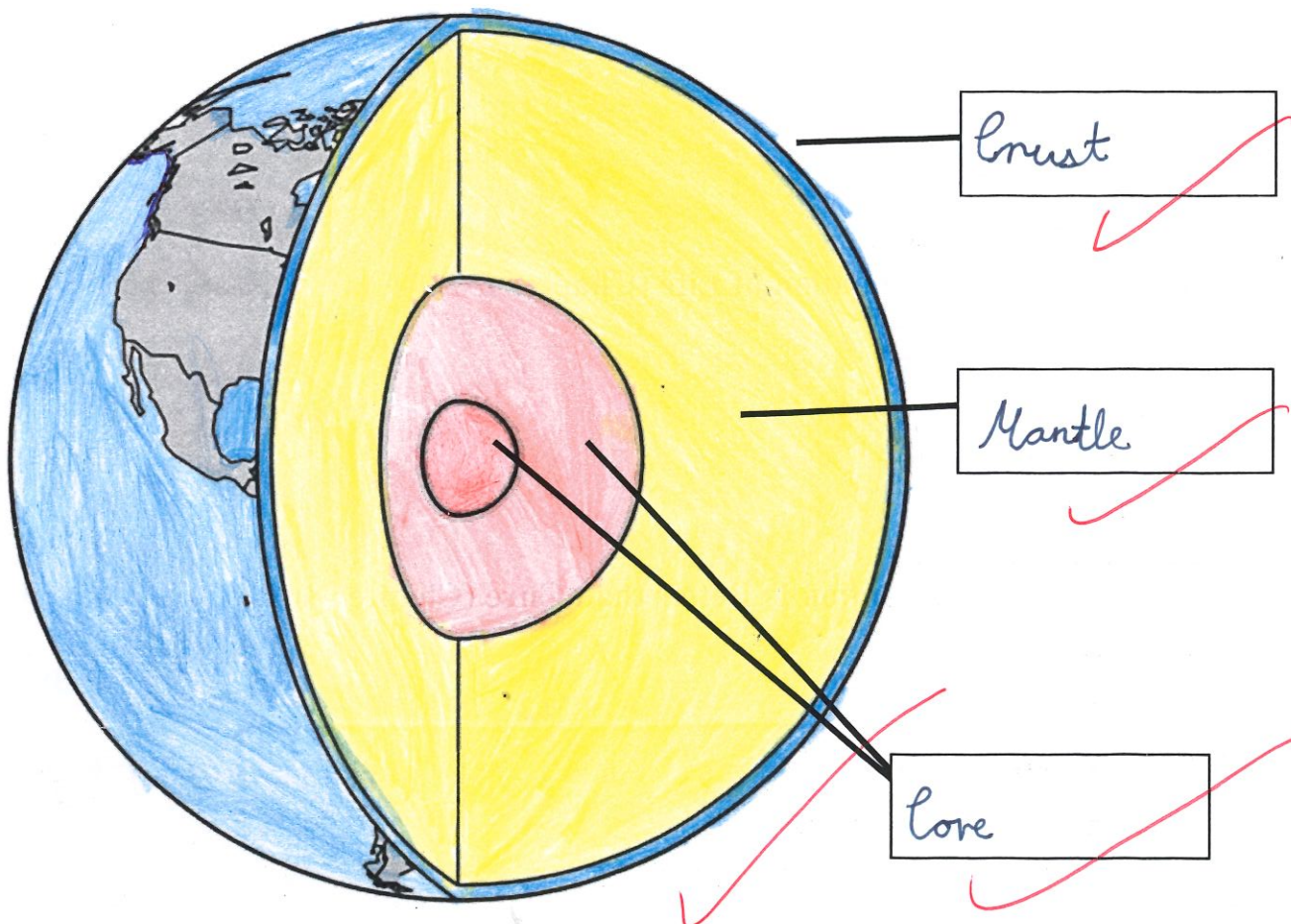
Excellent! You can tell how earthquakes are caused by plate movement and the structure of the Earth.

B. Preview method:



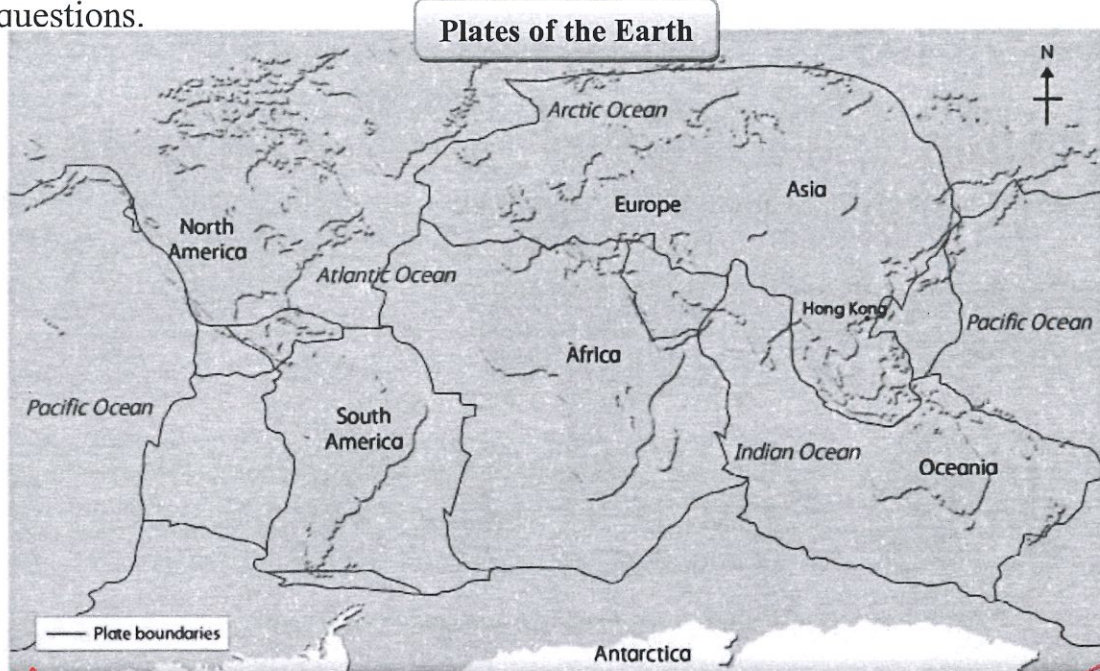
★ Activity 1

The picture below shows the structure of the Earth. Colour the core in red, the mantle in yellow and the crust in blue. Then label the three layers.



Activity 2

The crust of the Earth is not made up of one solid piece – it is split into plates which float on the upper portion of the mantle. Observe the map below and answer the questions.



a. Do you think Hong Kong is prone to earthquakes?

No

b. Spot the location of Hong Kong on the map. Give reasons to explain your answer in (a).

Because Hong Kong is not ^{directly} located at the plate

boundaries

**C. Extension (Higher Order Thinking)

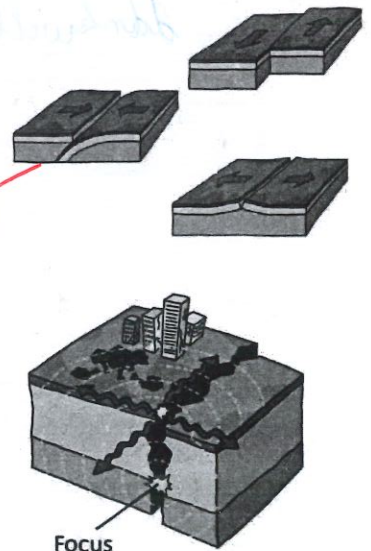
Activity 3

Complete the flow chart below to show the formation of earthquakes.

Plates move slowly when magma in the mantle flows.

When two plates collide, move apart or slide past each other, pressure builds up in the rocks along the boundary.

The rocks break when they cannot withstand the pressure. The ground shakes and an earthquake occurs.



What should we do during an earthquake?

→ Hide under the table