

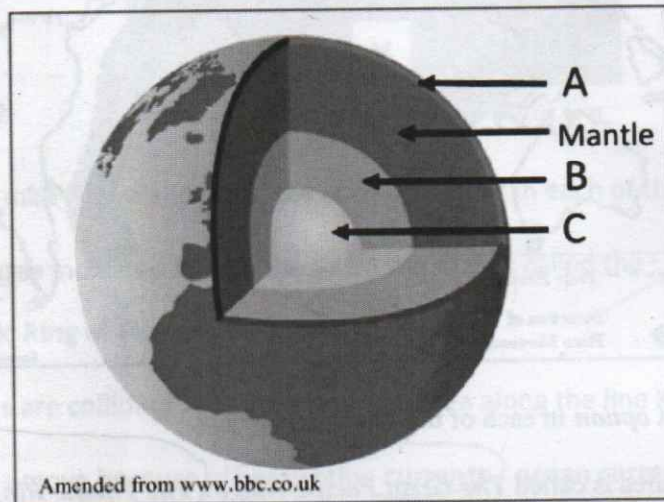
First Year Geography Test

Earths structure and volcanoes



Name: Oisín Argaud Class: Armstrong

1 STRUCTURE OF THE EARTH



The diagram above shows the layers of the earth.

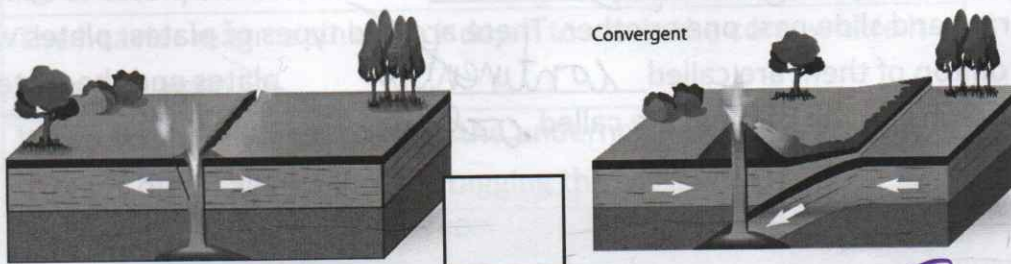
Name the layers of the earth labelled A, B and C.

- A. Crust
- B. Outer Core
- C. Inner Core

3

3m

- 2 Look at the diagrams showing two types of plate boundary. Which one is a destructive plate boundary? Tick the correct diagram.

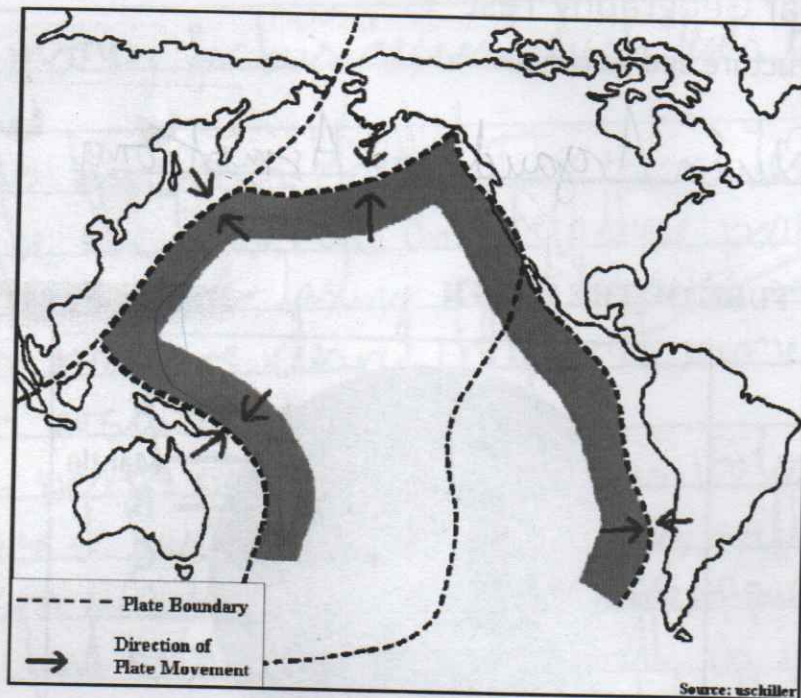


2

2m

3 Plate tectonics

The map shows some of the earth's crustal plate boundaries.



Circle the correct option in each of the statements below.

- (a) The shaded area is called *The Great Pacific Ridge* / *The Pacific Ring of Fire*.
- (b) The shaded area is so called because it contains many *volcanoes* / *forest fires*.
- (c) The map shows that crustal plates *collide* / *separate* along much of the shaded area.

3

4 Plate Tectonics

3m

Fill in the gaps, using the key words below.

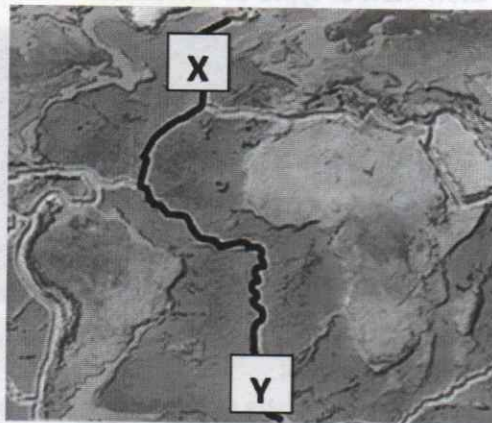
The Earth's crust is broken into pieces called tectonic plates. These float on the semi molten magma within the mantle. The semi molten material moves in a circular motion by convection currents. This causes the plates to collide, separate and slide past one another. There are two types of plates: plates with land on top of them are called continental plates and the plates with oceans on top of them are called oceanic plates.

5

Continental tectonic plates convection currents magma
Oceanic

5m

5 PLATE MOVEMENT



Amended from www.buzzle.com

Examine the map above and circle the correct answer in each of the following statements.

- (i) The area indicated by the line XY on the map is called the **Pacific Ring of Fire / Mid-Atlantic Ridge.**
- (ii) Plates are **colliding / separating** in the area along the line XY.
- (iii) Plates move because of **convection currents / ocean currents.**

3m

- 6 **CONVECTION CURRENTS.** The stages in the formation of convection currents are jumbled up below. Put them in the correct order by numbering the stages from 1 to 5. One has been completed for you already:

The magma then cools slightly, as it is furthest from the core. This makes it heavier.
This cycle is repeated again in a circular motion, causing convection currents.
The heat of the Earth's core causes magma to heat up, become lighter and rise.
The heavier magma sinks back down towards the core, where it is heated again.
When the hot magma reaches the underneath of the crust, it spreads out in all directions, dragging the crust with it.

3
5
1
4
2

5m

7 Volcanoes:

The photographs show various types of volcanoes.

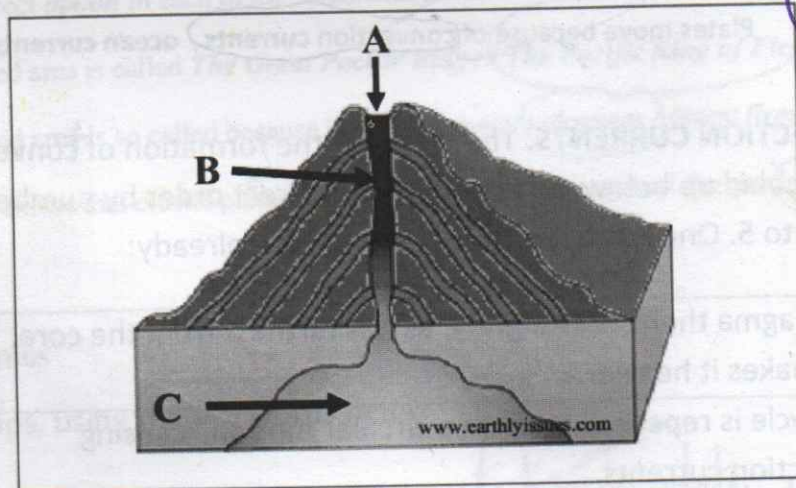


Complete the following sentences:

- (i) A volcano which erupts regularly is referred to as active.
- (ii) A volcano which has not erupted in a long time, but may do so again is known as dormant.
- (iii) A volcano which has not erupted in historic times is known as extinct.

3m

8



Name the features of the volcano labelled A, B and C.

- A Crater
- B Vent
- C Magma chamber

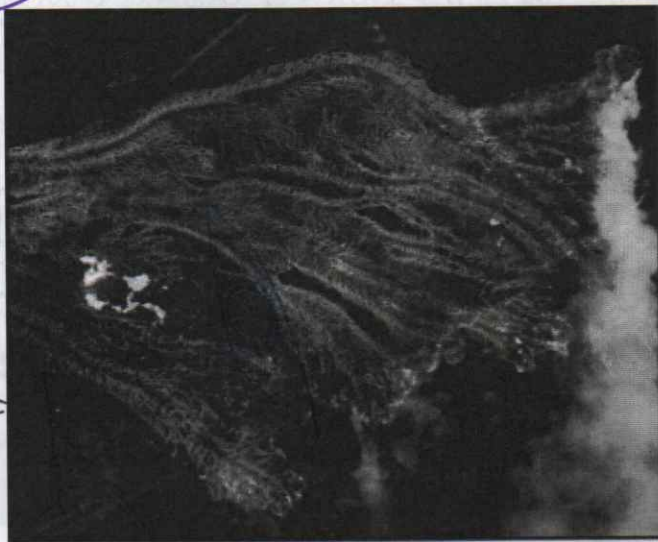
3m

9 Explain why volcanoes are often located along constructive plate boundaries

Volcanoes are often located there because when plates in a constructive plate boundary ^{plates} pull away from each other ^{and} magma can rise up. When the magma comes up, it cools ^{into} and hardens. Over time, this becomes a volcano.

3m

10 Imagine you are a journalist sent to the site of a recent volcanic eruption.



Write a report describing at least two negative and two positive socio-economic impacts of the volcanic eruption. (The space for your answer continues onto the next page)

Two negative:

1. Homes and businesses have been destroyed by lava, this will have a long lasting effect because people have had to move away. Less people means

- You need to write this question as a report
(Hello my name is Oisín. I am here at the site of the eruption)
- Explain your answers fully
(Homes were damaged by the lava flow)

less money for businesses, which leads to less jobs.

2. Roads have been blocked. This means less aid will be able to arrive and help these people. This will have a short-lasting effect because as soon as the roads are cleared, help will come. 2

Two positive:

1. More people now know about this volcano because it has been on the news. This will increase tourism which will open up new job opportunities. 2
2. The land around the volcano will, in years to come, be more fertile. This will help the area as it will be able to grow more crops and make more money. 2

Excellent Points!



10m

Reflection: (Take a minute to think about the test):

1. What sections did I do well in?

I am confident in sections 1, 2, 3, 4, 5, 6, 8 and 10.

2. What sections do I need to work on?

I am unconfident about sections 7 and 9.

3. What will I do to work on these areas?

I will study what I got wrong.

Result:

/40m

37/39
= 95%

8