1st year Geography November Assessment

studyclix

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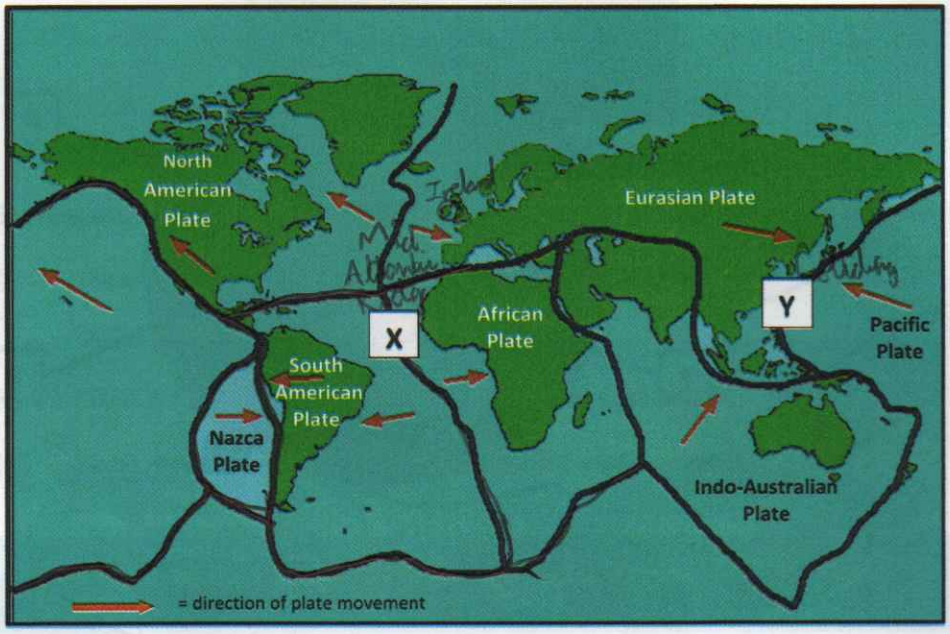
Question 1

Question 1

Plate boundaries and plates

(a) The map shows the location of some of the earth's plate boundaries. Examine the map and answer each of the following questions.



(i) Ireland is situated on which of the following plates?
Tick (✓) the correct box.

- North American Plate ☐
- Eurasian Plate ☑
- Indo-Australian Plate ☐

✓ 3

(ii) Name the feature that is found at the location labelled X?

Mid-Atlantic Ridge ✓ 3

(iii) What type of boundary is located at Y?
Tick (✓) the correct box.

- Colliding ☑
- Separating ☐
- Sliding ☐

✓ 3

(iv) What is the name given to the outside layer of the earth?

Crust ✓ 3

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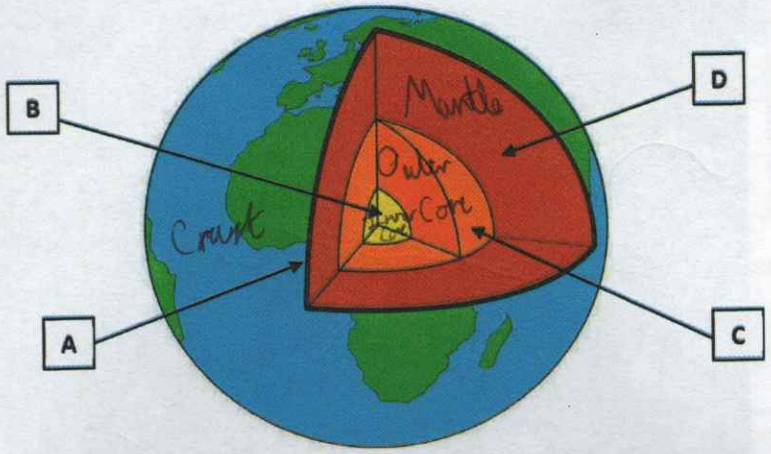
Question 2

(a) Examine the diagram showing the different layers of the earth.

Layers of Earth

Match each of the letters **A**, **B**, **C** and **D** with the term that best matches it in the table below.



Term	Letter
Inner core	B
Crust	A C
Outer core	C
Mantle	D

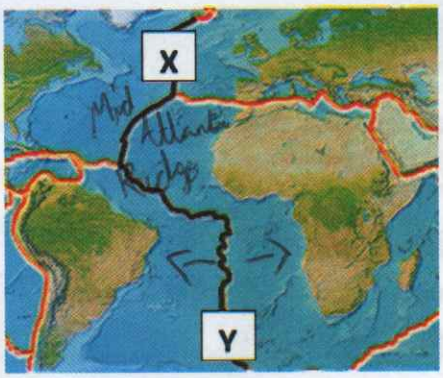
2 2 2 2

8

Question 3

3. PLATE MOVEMENT

Mid-Atlantic Ridge



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.

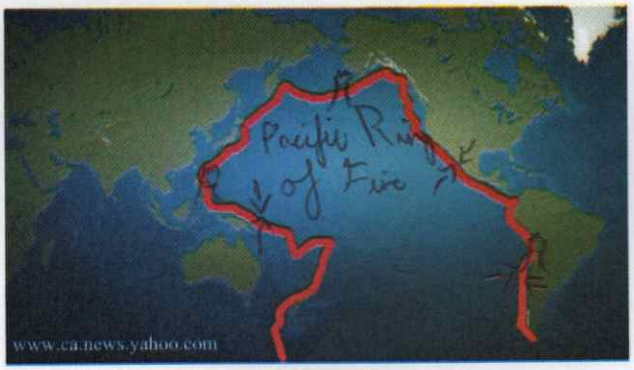
(iii) Plates move because of **convection currents / ocean currents.**

✓ ✓ ✓ 3

Question 4

1. THE EARTH'S CRUST

Pacific Ring of Fire



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

(i) The area indicated by the red line on the map is called the Mid-Atlantic Ridge. ***True / False*** ✓

(ii) This area has many volcanoes. ***True / False*** ✓

(iii) Crustal plates collide in this area. ***True / False*** ✓

3

Question 5

State of volcanoes

(b) (i) Which of the following terms best describes a volcano that has not erupted in a long time but may erupt again?
Tick (✓) the correct box.

- Active volcano ☐
- Dormant volcano ☑
- Extinct volcano ☐

✓ 5

(iii) Using an example that you have studied, discuss one impact of volcanic activity.

One impact of volcanic activity is tourism. Many people go to La Palma, Spain to see the black sand beaches and volcanoes. However, when volcanoes erupt the ash can stop planes and the lava can destroy hotels. This is what happened in La Palma from September - December 2021.

Impact of volcanoes

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(ii) Using the terms in the box below, explain how a volcano is formed. Use a labelled diagram(s) to support your answer.

~~Vent~~	~~Magma chamber~~	~~Crater~~
~~Layers of ash and rock~~		~~Lava~~

Formation of volcanoes

The first step to forming a volcano is magma. When magma from the mantle gets into the crust it can form a magma chamber. When the magma keeps pushing up, it creates a vent and finally, when magma reaches the surface, a crater. When magma pours out of a crater, it becomes lava and cools very quickly. Over time, layers of ash and rock from eruptions form a cone shape.

2

Space for diagram

10

2

Question 6

(c) Read the article below and answer each of the following questions.

Turkey-Syria Earthquake

Major earthquakes hit Turkey and Syria on 6 February 2023. The biggest earthquake had a magnitude of 7.8 on the Richter Scale. According to the United Nations (UN), 1.5 million people in the south of Turkey have been left homeless. Thousands of buildings have collapsed. Infrastructure, including roads and energy supplies, have been badly damaged.

Turkey-Syria Earthquake

(i) According to the United Nations how many people were left homeless following the earthquakes?

1.5 million ✓3

(ii) Give **one** example of the destruction caused by the earthquake mentioned in the article above.

Thousands of buildings have collapsed ✓3

(iii) Which of the following is the instrument used to measure an earthquake? Tick (✓) the correct box.

Richter Scale	☐
Seismograph	☑
Modified Mercalli Scale	☐

✓3

(iv) Briefly describe **one** long term response to earthquakes.

One long term response to earthquakes is the need to rebuild, but also to rebuild in a way more tolerant of earthquakes. This can take a lot of time and money. ✓3 ✓3

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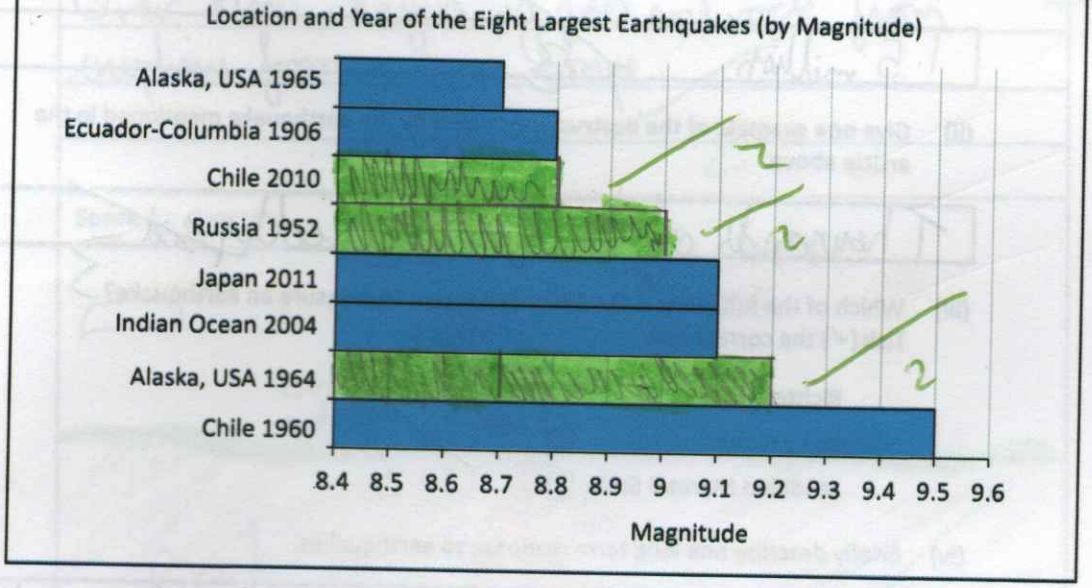
Question 7

(c) Study the table and partially completed chart below showing information on the eight strongest earthquakes ever recorded and answer each of the following questions.

Strongest earthquakes

Location and Year of the Eight Strongest Earthquakes on Record (by Magnitude)								
Location and year	Chile 1960	Alaska, USA 1964	Indian Ocean 2004	Japan 2011	Russia 1952	Chile 2010	Ecuador-Columbia 1906	Alaska, USA 1965
Magnitude	9.5	9.2	9.1	9.1	9	8.8	8.8	8.7



(i) Complete the chart above using the information from the table for the **three** missing bars.

(ii) What was the magnitude of the earthquake in Japan in 2011?

9-1 ✓3

(iii) Name **one** instrument used to measure the strength of earthquakes.

Seismograph ✓3

12

(iv) Explain one way to reduce the damage caused by earthquakes.

One way to reduce the damage caused by earthquakes is to warn people as soon as possible so that they can take their families and possessions and leave.

Reduce damage of earthquakes

Question 8

(b) (i) Name an example of a range of fold mountains located outside of Ireland that you have studied.

(ii) Draw a labelled diagram in the space below to show the formation of fold mountains at a colliding plate boundary. Label each of the following on your diagram:

- Two colliding plates
- Convection currents
- Mantle
- Fold mountains.

Question 9

(a) (i) Insert the correct category of rock from the list below into the table for each rock type.

- Igneous
- Sedimentary
- Metamorphic.

Rocks

Rock Type	Category
Limestone	Sedimentary ✓
Marble	Metamorphic ✓
Basalt	~~Sedimentary~~ Igneous ✓

3

(ii) Name a location in Ireland where each rock type named below can be found.

Rock Type	Location in Ireland
Limestone	~~Mayo~~ The Burren ✓
Marble	Connemara ✓
Basalt	Antrim (The Giant's Causeway) ✓

3

(b) Rocks can be exploited in different ways and this exploitation can have many impacts.

(i) Name **one** location that you have studied where rocks are exploited **and** state how rocks are being exploited at this location.

In Connemara, Co. Galway, rocks (marble) are being exploited through quarrying ✓

3

Total = 84/100

= 84%

12