

Question 1

1. ROCKS



Circle the correct answer in each of the following statements.

- (i) The rock type shown above is *marble* / *sandstone*.
- (ii) The rock type shown above is a *sedimentary rock* / *metamorphic rock*.
- (iii) It is found in *the Giant's Causeway* / *County Cork*.

Question 2

A. Limestone

- (i) Explain how limestone rock is formed.
- (ii) Describe **two** ways rocks may be of **economic** use to people.

(10)

Question 3

1. WEATHERING



The photograph above shows limestone rock that has been weathered.

Circle the correct answer in each of the following statements.

- (i) This area of weathered limestone is called a *limestone pavement* / *limestone cave*.
- (ii) This feature was formed by *mechanical weathering* / *chemical weathering*.
- (iii) An example of this feature can be found in *the Burren* / *the Giant's Causeway*.

Question 4

2. ROCKS

Igneous, Sedimentary and Metamorphic are the main rock-groups.

Complete each of the following sentences by inserting the correct rock-group.

- (i) Rocks formed as a result of great heat or pressure are known as _____.
- (ii) Rocks formed from cooled molten volcanic material are known as _____.
- (iii) Rocks formed from compressed remains of animals, plants or other rock materials are known as _____.

Question 5

A. Rock Types



www.gwydir.demon.co.uk



www.celticmythpodshow.com

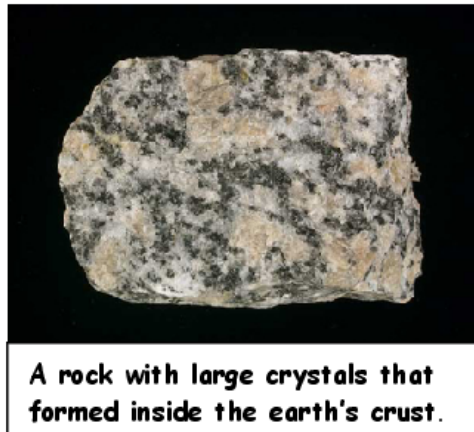


www.tmaa.go.tz

- (i) State which of the images above A, B or C shows basalt rock.
- (ii) Name a location in Ireland where basalt is found.
- (iii) Describe and explain how basalt is formed.

Question 6

1. ROCKS



A rock with large crystals that formed inside the earth's crust.

www.utexas.edu

Examine the photograph above and circle the correct answer in each of the statements below.

- (i) The name of this rock is *granite* / *basalt*.
- (ii) This rock is *an igneous* / *a sedimentary* rock.
- (iii) An example of this rock is found in the *Burren* / *Wicklow*.

Question 7

4. THE EARTH AND ROCKS

The picture shows an erupting volcano.



Source: minyanville.com

Circle the correct option in **each** of the statements below.

- (i) The volcano shown is *dormant* / *active*.
- (ii) The rock group formed here is *igneous* / *sedimentary*.
- (iii) The rock type formed is *basalt* / *sandstone*.

Question 8

Choose **three** terms from the selection box to fill in the spaces in the extract below.

Selection Box.

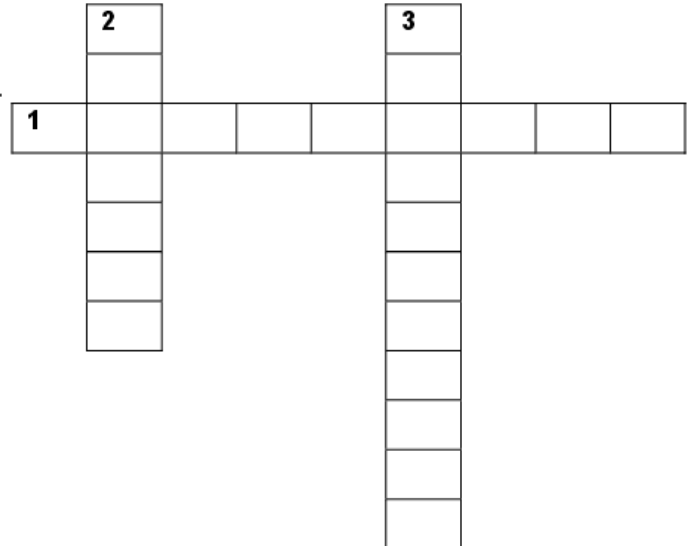
Metamorphic	Basalt	Sandstone
Sedimentary	Quartzite	Limestone
Igneous	Marble	Shale

“There are many different types of rock in Ireland. These range from regular-shaped columns of _____ in Antrim’s Giant’s Causeway to multi-coloured Granite on the Wicklow Mountains. Both of these rock types are _____, which means they were once formed from hot, volcanic material. The centre of Ireland consists mostly of _____, in which fossils of ancient sea creatures can sometimes be found.”

Question 9

Complete the three-piece crossword using these clues:

1. Coarse red or brown sedimentary rock found in the mountains of Munster.
2. A coarse multi-coloured, igneous rock.
3. Rocks which were changed by great pressure or heat.



Question 10

- A. Examine Picture A and Picture B, which show two different **rock types** in Ireland. Answer the questions which follow.



Picture A – The Giant's Causeway



Picture B – The Burren

- (i)
- Name the rock type shown in **Picture A** and the rock type shown in **Picture B**.
 - Indicate whether **each** of the rock types you name is igneous, sedimentary or metamorphic.
- (ii) Describe **two** ways in which rocks may be of economic use to people.

(12)