

Province of the

EASTERN CAPE

EDUCATION

**DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)**

**HOME SCHOOLING SELF-STUDY WORKSHEET**

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| --- | --- | --- | --- | --- | --- |
| **SUBJECT** | **GEOGRAPHY** | **GRADE** | **10** | **DATE** | **6/07/20** |
| **TOPIC** | **GEOMORPHOLOGY** | **TERM 2****REVISION** | **√√** | **TERM 2 CONTENT** | **√√** |
| **FOLDING AND FAULTING EARTHQUAKES** | **TIPS TO KEEP HEALTHY****1. WASH YOUR HANDS thoroughly with soap and water for at least 20 seconds. Alternatively, use hand sanitizer with an alcohol content of at least 60%.****2. PRACTICE SOCIAL DISTANCING – keep a distance of 1m away from other people.****3. PRACTISE GOOD RESPIRATORY HYGIENE: cough or sneeze into your elbow or tissue and dispose of the tissue immediately after use.****4. TRY NOT TO TOUCH YOUR FACE. The virus can be transferred from your hands to your nose, mouth and eyes. It can then enter your body and make you sick.** **5. STAY AT HOME.**  |
| **INSTRUCTIONS** |  |

**QUESTION 1**

1.1.1 State whether the following rocks are metamorphic, sedimentary or igneous.

1. Dolerite (1)

1. Shale 1 (1)

1. Gneiss (1)

1. Dolomite (1)

1.2 Carefully read the extract in FIGURE 1.2 on earthquakes.

**INDIAN OCEAN TSUNAMI 2004**

**Primary effects of the tsunami**



The wave killed people in 14 different countries around the

Indian Ocean totalling over

250

000.



The highest death toll was on the Indonesian island of Sumatra where over 130

000

were killed and over 30

000

 remain missing.



In Sumatra over 500

000

 people were made homeless, over

80

000

 houses were

destroyed as well

as serious damage was caused to any ports, boats, roads, bridges,

hospitals, forests and crops within 1 km of the shore.



 people were killed in South Africa which is over 8000 km from the epicentre.

8



In Sri

Lanka, a train was derailed by the force

of the wave killing over 1

000

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[

Source:

htttp/www.4w.tagplus.com

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1.2.1 Provide a geographical term for the following:

1. The vibration in the Earth’s crust due to sudden movements

 of the crust along a fault

1. The point on the Earth’s surface immediately above the focus

 of an earthquake (2 x 1) (2)

1.2.2 Give the magnitude of this earthquake and the number of people

 who died respectively. (2 x 1) (2)

 1.2.3 Which instrument is used to measure the magnitude of an

 earthquake? (1 x 1) (1)

 1.2.4 Explain why most earthquakes happen close to plate boundaries.

 (1 x 2) (2)

* + 1. Briefly describe the negative results or damage caused by the

 earthquake in Kashmir. (2 x 2) (4)

* + 1. Discuss why less developed countries are unable to cope with

earthquakes than more developed countries. (2 x 2) (4)

  **[15]**