



# Holiday homework

Student Name: \_\_\_\_\_

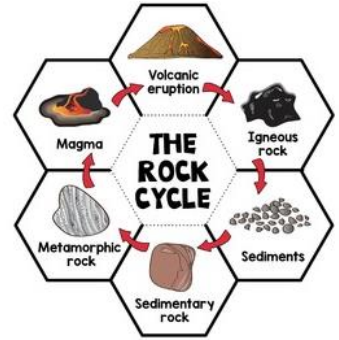
Teacher: \_\_\_\_\_

**Topic:** Earth Sciences - Types of rocks and the rock cycle

Due date: Week 1 Term 4 2017

## Task

The rocks on Earth are constantly changing form. The rock that forms today from solidifying lava may slowly break down into tiny sediments over millions of years. These sediments may be washed away by a river and settle to the bottom as the river meets the ocean, where they may form sedimentary rock. The effects of heat and pressure may one day turn this sedimentary rock into metamorphic rock.



You are required to **research the types of rocks and the rock cycle**. Answer the questions given in the marking key and present your answers in the form of a **Power Point not more than 6-7 slides long**. Also state the references that you used to obtain your information.

## Learning outcomes

- o Earth and space sciences –The rock cycle, Literacy and ICT capability.

## Marking key

**Total: \_\_\_\_/26**

Item	Max marks	Marks obtained
Q1 – Name the three types of rocks and state, in a single sentence, how each type of rock is formed.	6	
Q2 – Present a labelled diagram of the rock cycle.	1	
Q3 – Explain each of these.  (a) What is magma and how is it related to the rock cycle? (b) What are sediments and how are they related to the rock cycle? (c) How can sedimentary rock turn into igneous rock? (d) How can igneous rock turn into sedimentary rock? (e) How can sedimentary rock turn into metamorphic rock? (f) How can igneous rock turn into metamorphic rock?	6	
Q4 –State a use of each of the three types of rocks by humans.	3	
Use of at least two interesting, relevant photographs.	2	
No copy and paste	6	
2 references provided	2	

**Teacher comments:**