

Formal Task 1

Test yourself

Composition and structure of the Earth, rocks and the rock cycle

1. Create a table in which you compare the sima and the sial. (10)
2. List three examples of rocks that would be described as stratified. (3)
3. Give two examples of rocks that are pervious. (2)
4. Name four examples of rocks that are resistant to weathering. (4)
5. Which two sedimentary rocks are porous? (2)
6. Why are igneous rocks described as massive? (2)
7. Specify the rock and rock type formed from each of the following processes:
 - a. Granite weathers to form sand particles, the particles are transported, deposited particles accumulate and harden and _____ rock forms.
 - b. Limestone is heated by magma, the minerals are recrystallised and _____ rock forms.
 - c. Shells fall to the sea bed, they mix with other particles, the particles are cemented together, there is increasing pressure and _____ rock forms.
 - d. Lava flows over the Earth's surface, cools rapidly, solidifies to form _____ rock.
 - e. Increasing pressure on shale leads to the formation of _____ rock. (10)

[33 marks]