

Materials and the Earth

Lesson 3: Sedimentary Rocks

Science

Chemistry - Key Stage 3

Miss Willett



What have you learnt already?

- 1. Where is magma found in the Earth?**
- 2. What is a feature of intrusive igneous rocks?**
- 3. Where do extrusive igneous rocks form?**



Properties of sedimentary rock

Igneous or sedimentary?

Shiny

Porous

Fossils

Crystals

Strata



Properties of sedimentary rocks

Draw and label a diagram of a typical sedimentary rock



Sedimentary rocks: formation

Complete the statements to show how sedimentary rocks are formed:



Weathering

Match them up!

Chemical

e.g., caused by wind & rain

Biological

e.g., caused by acid rain

Physical

e.g., caused by animals digging



Weathering

Identify each weathering type on the photo:



Source: Christine Christie; geography.org



Bringing it all together..

Use your knowledge to answer the following:

- Describe how igneous rocks from the top of a volcano can be weathered and eventually become new sedimentary rocks on a river or sea bed.
- Explain why sedimentary rocks are layered

KEYWORDS: weathering, deposition, transportation, cementation, compacting, sediment, layers



Bringing it all together..

