

© UKRIGS Education Project: Earth Science On-Site

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1. SUMMARISING THE ROCK CYCLES.

Pupil Name

PUPIL HOMEWORKSHEET: The Two Rock Cycles at Meldon Aplite Quarry.

FIRST CYCLE: deposition. What can you say about the deposition of the sedimentary rocks you saw?. HINTS: grain size, bedding etc.

FIRST CYCLE: metamorphism, tilting and uplift. What can you say about the changes to the beds at Meldon Aplite Quarry cause by plate tectonics? HINTS: metamorphic structures, dips, intrusions etc.

NEXT CYCLE: weathering and erosion.

No evidence of intervening rock cycles can be seen in the area. The next evidence is for the present day cycle.

THE PRESENT DAY CYCLE: frost shattering and present day weathering.

What can you say about the weathering you have seen on rocks and buildings?

Chemical:

Biological:

Physical:

Transport and Deposition: What can you say about transport and deposition in the Red-a-ven brook? HINT: pebble roundness, size etc.