

© UKRIGS Education Project: Earth Science On-Site

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1. SUMMARISING THE ROCK CYCLES:

PUPIL HOMEWORKSHEET: The Two Rock Cycles at Mosedale.

FIRST CYCLE: deposition. What can you say about the deposition of the older beds at School House Quarry? HINTS: Evidence for marine deposition; fossils, grain size etc.

FIRST CYCLE: uplift and tilting. What can you say about the changes to the beds at School House Quarry cause by plate tectonics? HINTS: folding, metamorphism, intrusions etc.

FIRST CYCLE: weathering and erosion. Approximately how long was this period of time before the Limestones were deposited?

SECOND CYCLE: deposition. What can you say about the conditions of deposition of the limestones of Howk Gorge ? HINT: Fossil evidence

SECOND CYCLE: uplift and tilting. What can you say about the uplift and tilting of these limestones?

SECOND CYCLE: weathering and erosion. What can you say about more recent weathering? HINT: glaciers, rivers, soils and quarrying.