

**Pupil Homework Answer Sheet for follow-up homework for Park Hall**

**This homework is about how the rocks at Park Hall formed.**

Q1. Here is a list of six statements about the rocks at Park Hall and a list of pieces of evidence shown in these rocks. For each statement choose the piece of evidence that matches the statement.

You may find it useful to cut out the pieces of evidence and match them to the statements.

Statement	Evidence
<i>S1 The pebbles were transported from the south</i>	<i>E1 A drop of water sinks in the rock</i>
<i>S2. The grains in the rock were transported over a long distance</i>	<i>E2 The pebbles match some of the rock types found in S.W. England</i>
<i>S3. The grains in the rock are not strongly cemented</i>	<i>E3 The grains are rounded</i>
<i>S4. The rock was probably deposited by water</i>	<i>E4 The cross bedding in the sandstone slopes north</i>
<i>S5 The sandstone is porous</i>	<i>E5 The rock shows layering</i>
<i>S6 The sandstone was deposited by rivers flowing from the south</i>	<i>E6 The grains rub off easily</i>

Q2. These statements are about events that happened before, during and after the formation of the rocks at Park Hall. Use the completed field sketch for site B and for this part of the quarry decide in what order these events happened, and write down the sentences in the correct order (oldest first).

You may find it useful to cut out the statements and put them in the right order.

<i>A</i>	<i>The layers of rock were uplifted and eroded</i>
<i>B</i>	<i>Sediment became hard rock and sandstone and conglomerate were formed.</i>
<i>C</i>	<i>The layers of rock were tilted to the east.</i>
<i>D</i>	<i>A thin layer of sand was deposited by a river.</i>
<i>E</i>	<i>A thick layer of pebbles was deposited on top of a sand layer by a flash flood.</i>
<i>F</i>	<i>Pebble and sand layers were buried below later sediments.</i>
<i>G</i>	<i>A layer of pebbles was deposited in a flash flood in a hot desert.</i>

Q3. Now tell the story of the layers of sedimentary rock at Park Hall. You can do this by writing out the sequence of events, by adding labels or sketches to the drawing of the rock cycle, by drawing cartoons to illustrate what happened, by making a presentation or by writing a poem.