

WORKSHOP 1: STUDENT SHEET 2

Investigating the Manifold Valley Section at Apes Tor

Grid Reference (The code for this area is SK...)

Site Number (Your first site is site 1!)

Location (e.g. 10m south of National Trust Sign)

Direction you are looking

Weather (so the examiner can see that your work's rubbish because it was raining heavily.)

Full page labelled diagram. This is not a work of art - it's a diagram showing the important geological features. The quality of the labels is more important than the artistic quality of the diagram.

Labels might include:

Bedding Planes: Joints: Points where you've taken dips and strikes (numbered?):

Structures (anticlines, synclines, fold axial planes, faults etc): Bed thicknesses.

You might choose to put your dips and strikes on the diagram.

Rock Description/s and Rock Type/s which may include:

Colour

Grain Size

Weathering Features

Minerals present (with reasons)

Reaction with Cold Dilute Hydrochloric Acid.

Any other features of geological interest.

Record all your dips and strikes on a table. Remember to use the "Right Hand Rule" for the strike.

e.g.

Site	Point	Strike °	Direction of Dip °	Angle of Dip °	Comments
1	1	193	103	60	
1	2	016	292	33	Very small surface.

"Site" is the whole exposure.

"Point" is the point (shown on your diagram) where you have taken the dip and strike.

NB For the purposes of this exercise you will only need one rock description for each rock type. You should have no more than three.

The Early Stages of a Field Sketch

Site 1
SK123456
10m West of NT sign
Looking South
Heavy Sleet

