

Volcanoes and Earthquakes Mark Scheme Higher 2004

(a) (i) Trees destroyed, flooding of rivers, extra sediment in rivers, avalanche, Spirit Lake filled up, hot rock and ash flows, landslides and mudflows, fish killed, forest fires. **(2 marks)**

(ii) **Level 1 Basic (1-2 marks)**

Impact given but not explained, e.g. jobs lost, homes lost, roads gone.

Level 2 Clear (3-4 marks)

Clear explanation, e.g. jobs will be lost at the fish hatchery so people may have to move away for a job OR people can no longer use the local roads so they cannot access any services/need to find alternative routes

(4 marks)

(b) **Level 1 Basic (1-2 marks)**

Basic points made e.g. they are found at plate boundaries where the plates have moved together, diagram may be absent.

Level 2 Clear (3-4 marks)

Clear with at least one diagram e.g. FM are found along plate boundaries where movement has taken place e.g. Andes. A gap between the two plates filled with softer rocks that were folded upwards when the plates moved together.

Level 3 Detailed (5-6 marks)

Detailed with at least two labelled diagrams. Detail from correct use of geographical vocabulary e.g. destructive plate margins, geosynclines, folding, faulting, sedimentary rocks, possible links to examples and different margins such as continent . continent and ocean . continent and in detail on sequence of formation. Accept diagrams at appropriate level. **(6 marks)**

(c) High mountains, deep valleys, volcanoes, e.g. Alps. There are glaciers and aretes and many rivers e.g. Rhone start in the Alps, snow capped peaks/mountains. Reserve 1 mark for eg. but details must ring true for eg. (3x1) developed points

(3 marks)