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3 (a) (i) A = Strato-volcano B = Shield volcano

NB Both needed for 1 mark

[1 mark] [1]

(ii) Ideas such as:

- B is higher/A is lower (or statistics);
- B is wider/A is narrower (or statistics);
- A has different layers but B does not;
- A has 2 vents B has one;
- B is more gently sloping/A is steeper, etc.

NB Points need to be comparative.

[2 @ 1 mark] [2]

(iii) X = Vent

Y = Magma Chamber

Z = Crater

[3 @ 1 mark] [3]

(iv) Ideas such as:

- scenic beauty/views;
- tourist industry (examples of jobs in tourist industry);
- fertile soils/high yields of crops;
- geothermal power/'free' hot water;
- minerals/mining or example;
- building materials;
- hot springs;
- religious/cultural significance, etc.;

[4 @ 1 mark] [4]

(b) (i) Ideas such as:

- circle/ring;
- around Pacific Ocean;
- linear/in lines;
- along west of Americas;
- east of Asia;
- north of Australasia;
- isolated volcanoes (2 volcanoes) in center of Pacific Ocean, etc.

[3 @ 1 mark] [3]

(ii) Ideas such as:

- along plate boundaries/between plates/edge of plates/where plates meet;
- which are lines of weakness;
- convergence of plates/plates move towards each other;
- subduction/one plate sinks;
- as oceanic crust is more dense (dev);
- destruction of crust/magma created;
- build up of magma;
- creating pressure (dev)
- release of magma;
- through cracks in crust (dev);
- hot spots (accept if related to Hawaii or similar, etc.)

(5 @ 1 mark) or development

[5]

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(c) Levels marking

Level 1 [1–3 marks]
Statements including limited detail which describe the impacts of an earthquake.

Level 2 [4–6 marks]
Uses named example.
More developed statements which describe the impacts of an earthquake.

(NB Max 5 if no named or inappropriate example)

Level 3 [7 marks]
Uses named example.
Comprehensive and accurate statements including some place specific reference.

Content Guide:

Answers are likely to refer to:

deaths,
injuries,
destruction of property,
fires,
damage to infrastructure,
economic impacts, etc.

Place specific reference is likely to consist of:

Locational details,
Date/Richter scale measurement,
Details of named parts of the area,
Statistical information, etc.

[7]

[Total: 25 marks]