

KSHS Physical Geography Transition Work: Summer 2017 – Miss Chant

Task: Research the volcanic hazards from the list below and produce one of a presentation, a leaflet, a written report or large table to give details of the causes, effects and possible management of the hazards. You should use a range of examples to illustrate these hazards.

Causes – the physical processes that create the hazard

Effects – social and economic impacts on people, the economy and environment

Management – give any examples of how a particular hazard was managed to reduce the impact. Possible questions to consider: can the hazard be modified? (e.g. lava diversion); can people be warned? (monitoring techniques); how can people prepare (e.g. evacuation plans, hazard mapping); how can people respond (e.g. aid; insurance)?

Hazards to include	Possible Examples
Lava Flows	<ul style="list-style-type: none">• Mount Etna, Sicily, Italy• Eldfell, Heimaey, Iceland• Kilauea, Hawaii, USA
Pyroclastic Flows	<ul style="list-style-type: none">• Mount Pinatubo, The Philippines• Mount St Helens, USA• Mount Unzen, Japan
Ash Falls	<ul style="list-style-type: none">• Eyafjallajokull, Iceland
Gas Eruptions	<ul style="list-style-type: none">• Lake Nyos, Oku Volcanic Field, Cameroon
Lahars (mudflows)	<ul style="list-style-type: none">• Nevado del Ruiz, Columbia
Jökulhlaup	<ul style="list-style-type: none">• Eyafjallajokull, Iceland

You should aim to cover each heading but you don't need to go into too much detail. You can choose other examples if you prefer.