

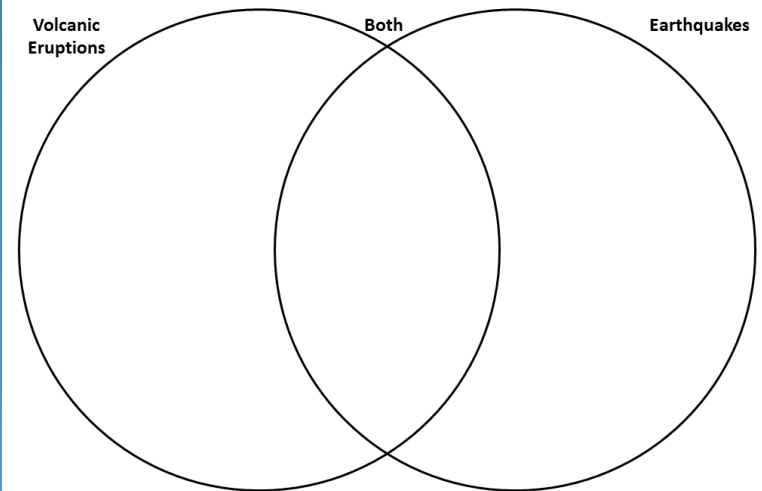
# Why live near hazards?

Barriers or ditches – made from concrete or rock used to divert the lava flow away from settlements (i.e. Mt. Etna 1991-1993)

Earthquake proof buildings – using cross braces, counter-weights, ball bearings and rubber foundations help stabilise buildings (i.e. the triangular design of the Transamerica Pyramid, San Francisco. It's wide, stable base and steel frame allows the building to sway).

The emergency services – need to be equipped and trained to deal with hazards effectively.

## Planning and Prevention



Water spraying – is used to cool down and solidify lava flow (i.e. Mt. Laki, Iceland 1973)

Land use planning – ensure that buildings are not built too high or close to a volcano

Education – makes sure that people know what to do in a disaster. (i.e. Disaster Day in Japan on the 1<sup>st</sup> of September).

(iv) Suggest reasons why people continue to live in areas affected by earthquakes.