

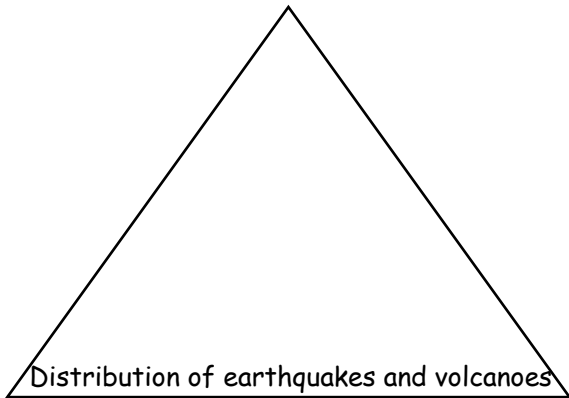
**Key Terms:**

Hazard -

Disaster -

Hazard risk -

Extreme event -



**Tectonic Hazard Knowledge Organiser**

What are earthquakes?

Type of boundary	Characteristics
Oceanic	
Continental	

What factors affect the risk of hazards?

Type of Boundary	Annotated diagram
Constructive	
Destructive	
Collision	
Conservative	

**Exam Practice: Using Figure 1 and 2, suggest why both volcanoes and earthquakes occur in New Zealand.**

What type of boundary is this? Can you name the plates?

Why do earthquakes occur here? Make reference to Figure 1 and 2.

Study Figure 2, a block diagram showing a cross section between A and B on Figure 1.

Figure 2

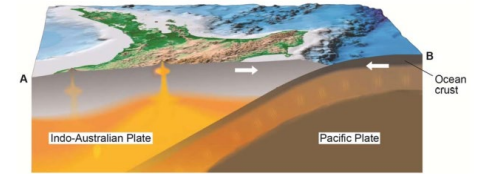
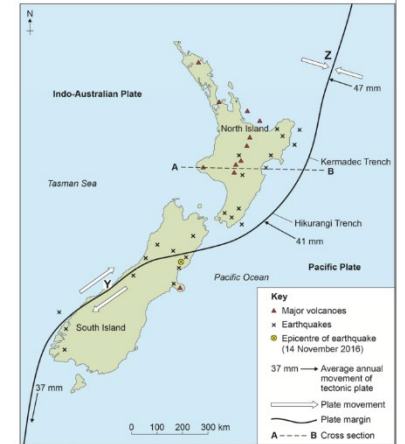


Figure 1



Why do volcanoes occur here?

Conclusion

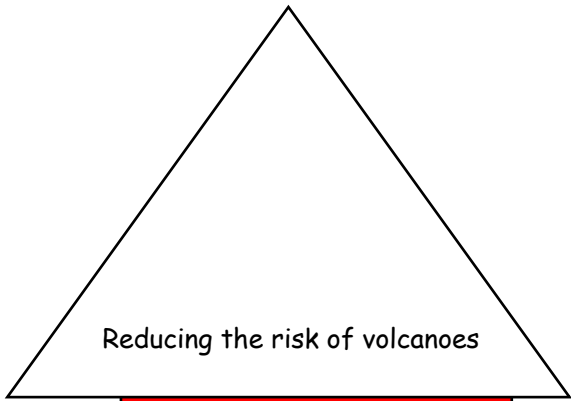
**Key Terms:**

Monitoring:

Predictions:

Protection:

Planning:



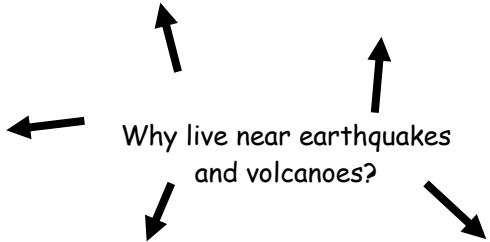
**Tectonic Hazard Knowledge Organiser**

Location	Response
Nepal (LIC) Immediate Response	
Nepal (LIC) Long-term Response	
Chile (HIC) Immediate response	
Chile (HIC) Long Term Response	

Location and Background of Nepal

Location and Background of Chile

Location	Impacts
Nepal (LIC) - Primary Impacts	
Nepal (LIC) - Secondary impacts	
Chile (HIC) - Primary Impact	
Chile (HIC) - Secondary Impacts	



How can you reduce the risk of earthquakes?

Earthquake Proof Building:

**Exam Practice: Assess the extent to which primary effects are more significant than secondary effects. Use Figure 5a or 5b and your own knowledge.**

Use Figure 5a (as we have done earthquakes!!). It shows demolished buildings - what primary and secondary effects are caused by this? Which is worse?

Were the primary or secondary effects worse in Chile? Why? Use data.

Were the primary or secondary effects worse in Nepal? Why? Use data.

Can the impact of primary and secondary effects be affected by level of development? Why?

Conclusion

Study Figure 5a, a photograph showing an area affected by an earthquake in 2010, and Figure 5b, a photograph showing an area affected by a volcanic eruption in 2006.

Figure 5a



Figure 5b

