

M ACTION REACTION

Label the cascading hazards on the diagram using the list of words below.





What would cause this process to happen all over again? Unscramble the letters below to find the answer. Then add it to the diagram above.

HAF s e r s C



The magnitude 7.8 2016 Kaikōura earthquake generated over 10,000 landslides across the North Canterbury and Marlborough regions

- KNOW YOUR HAZARDS

Match these hazards to their description:



Occurs when an earthquake shaking puts pressure on fine sand and silt below the water table, forcing it to the surface.

— HAZARDS HAPPEN

Match these hazard events with the year they happened:

2016	Gisborne tsunami
1999	Lake Taupō seiching
2011	Napier Fires
2021	Kaikōura landslides
1931	Christchurch liquefaction
2022	Mount Adams landslide dam

— IMPACTING US

Colour the areas of the map below to show where landslides are likely and unlikely to occur



red = high likelihood of landslides





- BE PREPARED

Find the following things you can prepare to help you be ready for natural hazards and emergencies

Make a plan					First Aid					Batteries				
Medicine					Pet Food						Food			
Water					Radio						Torch			
Q	X	Ν	М	F	ī.	z	F	Y	0	н	F	0	0	D
С	U	С	М	Т	С	S	Ν	Q	A	С	Κ	в	z	V
U	F	Ρ	Е	R	Е	Μ	A	Κ	Ε	Α	Ρ	L	Α	Ν
Ν	J	С	М	S	S	G	М	Ε	D	Т	С	Т	Ν	Е
R	U	Χ	Ρ	т	L	н	Ρ	Ζ	В	в	J	т	Ζ	W
U	R	Ρ	U	Α	М	Е	Ε	С	F	Α	Ν	Y	0	L.
W	z	Ε	κ	Т	Е	U	Κ	L	Y	т	Ζ	Y	F	S
В	L	т	L	D	R	Α	D	Т	0	т	Α	Q	X	W
F	R	F	D	М	U	Ν	S	R	۷	Е	U	Q	L	Α
V	S	0	Q	М	V	в	L	Μ	Т	R	Q	н	D	т
0	D	0	J	В	G	Q	G	Q	С	Т	D	W	L	Е
Χ	J	D	U	Х	L	Α	Ρ	Υ	Α	Е	В	Ε	۷	R
F	V	Ε	Q	R	в	н	G	Χ	G	S	т	Ρ	В	0
F	Ζ	В	U	т	0	R	С	н	н	Ν	W	W	Ε	0
Ρ	G	н	R	Т	U	S	S	н	Ρ	G	Ρ	Q	L	в

EAST COAST LAB



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Tū Ake



EXTENSION CHALLENGES FOR EXPERTS

W—— INVESTIGATING HAZARDS NEAR YOU

- Step 1. Draw a map of your local area in the box below.
- Step 2. Annotate it with the hazards that you think are likely to occur near you and why. For example, if you live near steeps hills you may annotate your map with your landslide risk.
- Step 3. Annotate it with your communities' resources that will help you in an emergency. For example, you may map the location of community centre, as you know this is where





