

Extreme Event Analysis

Analyse your event

People can't stop extreme events — but science helps them **predict, prepare and respond**, which saves lives.

Using your case-study card, answer the three scientist's questions about your event.

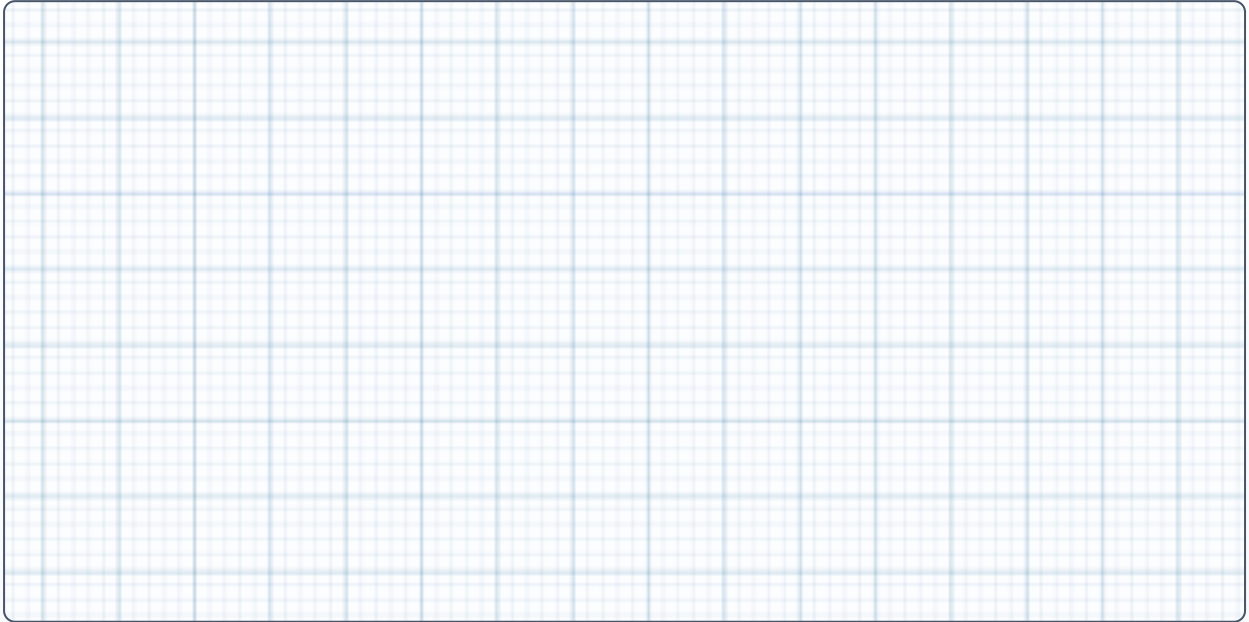
Question	My answer
Cause: what set it off?	
Effect: on the land and people?	
Response: predict / prepare / respond?	

Find **one number** on your card (wind speed, flood height, wave height) and explain what it tells you about how serious the event was.

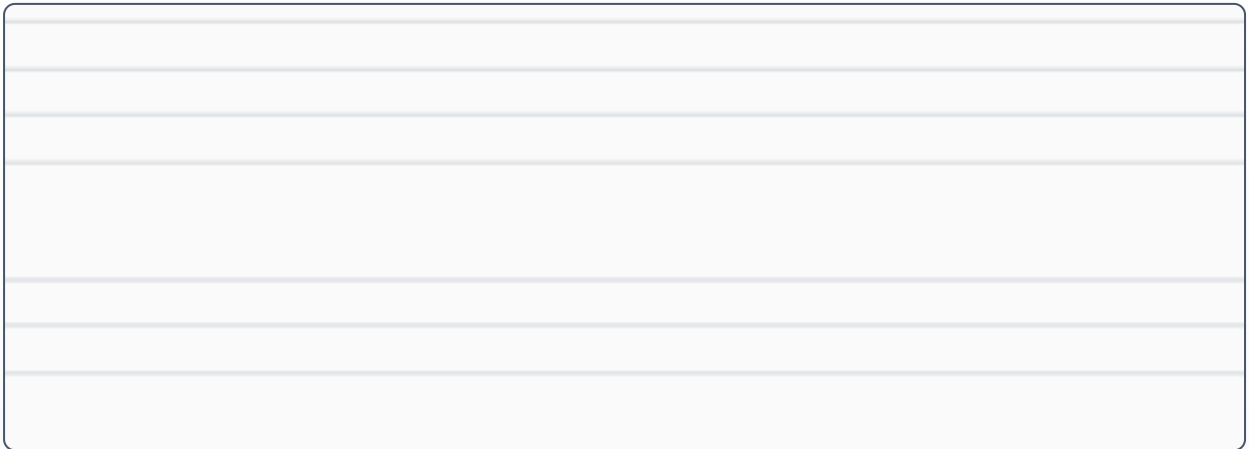
Tsunami energy chain & event summary

A tsunami isn't one big surfing wave — it's a huge amount of **energy** travelling through the water from an undersea earthquake.

1. Sketch and label the tsunami **energy chain**: undersea earthquake → seafloor shifts → wave travels → surges up at the coast.



2. Write a short summary of **one** extreme event: its cause, **two** effects, and **one** way people prepare to reduce harm.



Exit ticket

Name **one way** people prepare for an extreme event, and explain *why* it reduces harm.

