

Geohazards

Geohazard

Geohazard: an event related to a geological state which has potential to create widespread damage

Examples:

- Volcanoes
- Earthquakes
- Avalanches
- Landslides
- Tsunamis

Tsunami

Tsunami: a series of great sea waves caused by:

- 1) underwater earthquake
- 2) landslide
- 3) volcanic eruption



How can people prepare for tsunamis?

- Following any major earthquake, look for a noticeable rise or fall in the ocean level (*notable aumento o disminución en el nivel de los océanos*)
- Get to higher ground (*un terreno más alto*)



Landslides

Landslide: a movement of a mass of rock, debris, or earth down a slope

Landslides can occur for many reasons:

- 1) Earthquakes
- 2) Volcanic eruption
- 3) Lack of vegetation (*falta de vegetación*)
- 4) Increased soil saturation (*El aumento de la saturación del suelo*)



How can we prevent landslides?

Contour plowing of crop areas (*Arado de contorno de las áreas de cultivo*)



Earthquake safety

Where would you rather be in an earthquake?



Earthquake Safety

The structure of a building is important!

- Bricks and concrete are more brittle (**they break more easily**) (*Los ladrillos y el hormigón son más frágiles (se rompen más fácilmente)*)
- Steel, wood, and aluminum are more flexible. (*Acero, la madera y el aluminio son más flexibles.*)

**Knowing this, which building would you rather be in during an earthquake?

Earthquake safety

- Drop, **cover**, and hold on (*agacharse, cubrirse, y mantenga a algo*)
- Do not go near **windows**
- Do not **stand** near **hanging objects or mirrors** (*No se pare cerca de objetos o espejos que cuelgan*)
- Stay **inside** if you are inside, and **outside** if you are outside. (*Permanezca adentro si estás dentro, como fuera de si usted está fuera.*)

