

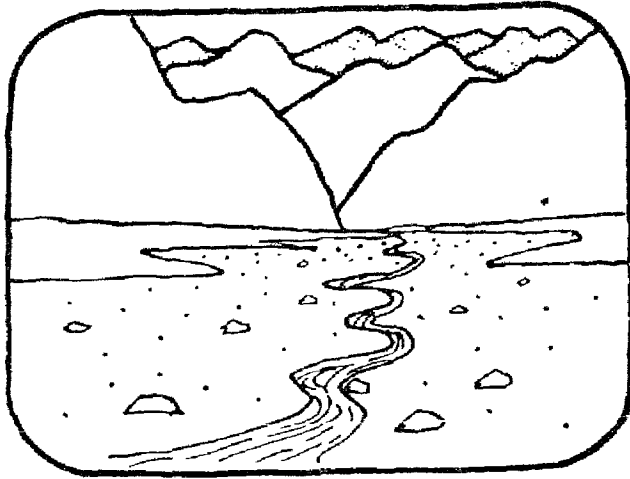
SELECTING A SAFE PLACE TO BUILD

PERU

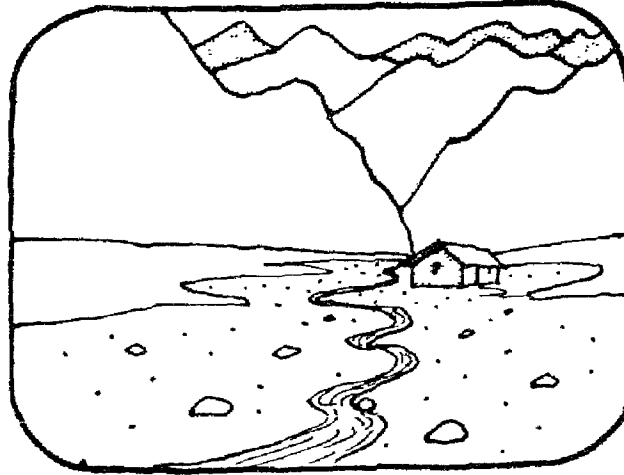


MINISTERIO DE VIVIENDA Y CONSTRUCCION
OFICINA DE INVESTIGACION Y NORMALIZACION

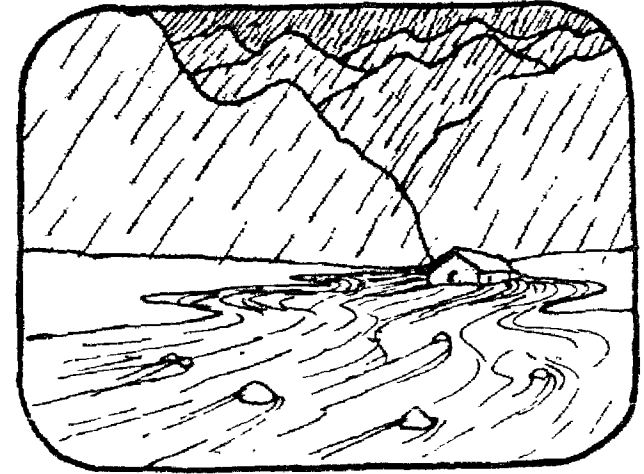
El Problema



This is a river bed in the desert.

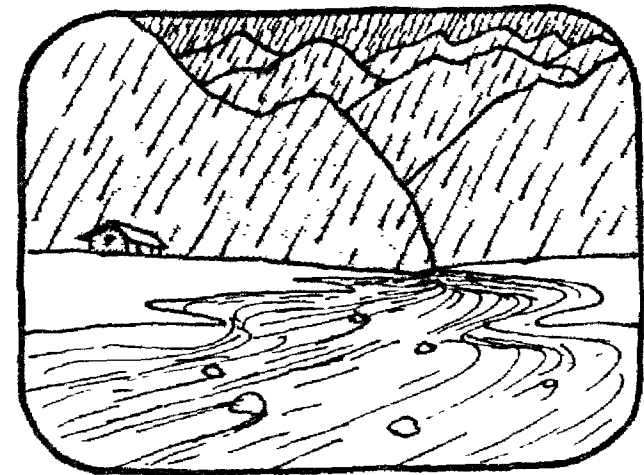


A house built here...



can be flooded after heavy rains in the mountains.

La Solución

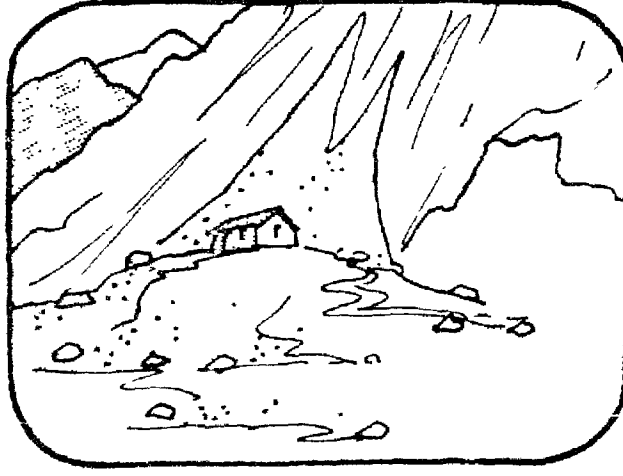


Build on high ground away from river beds.

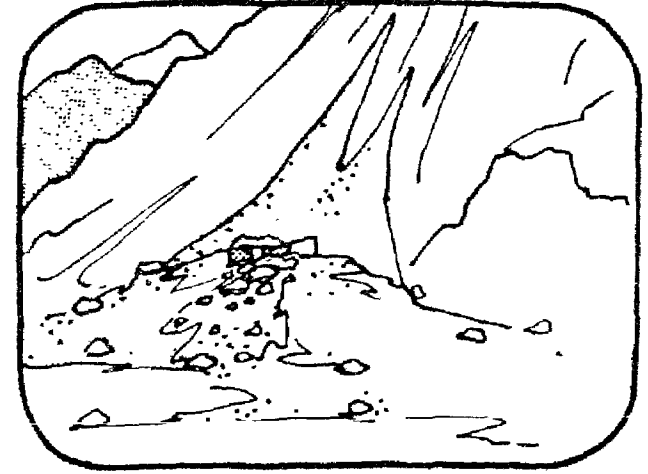
El Problema



This is a landslide that occurred many years ago.

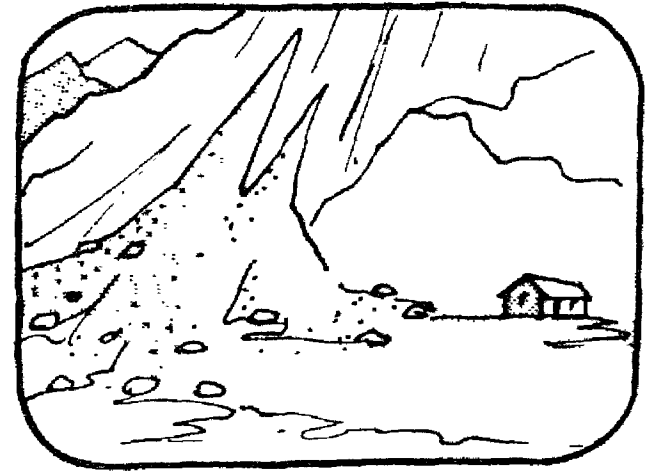


If a house is built here, it will be built on unstable ground...



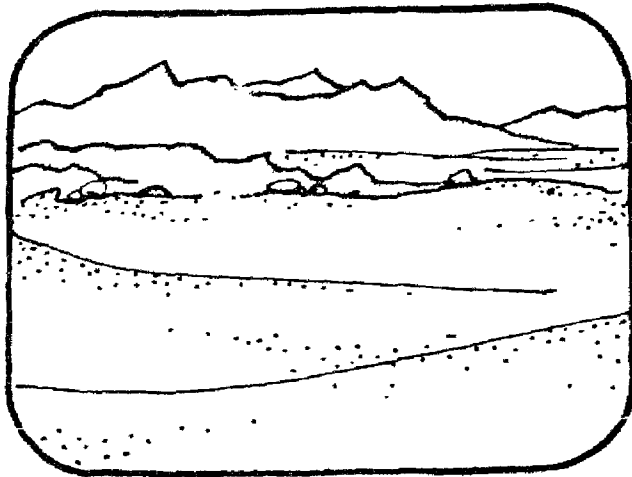
and will fall in an earthquake.

La Solución

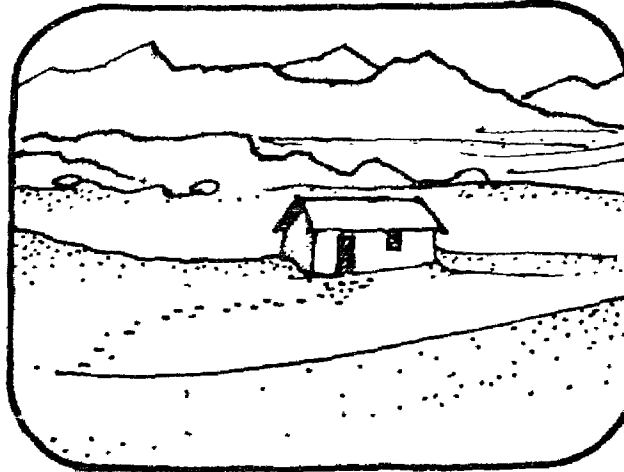


Build on solid ground, not on an old landslide.

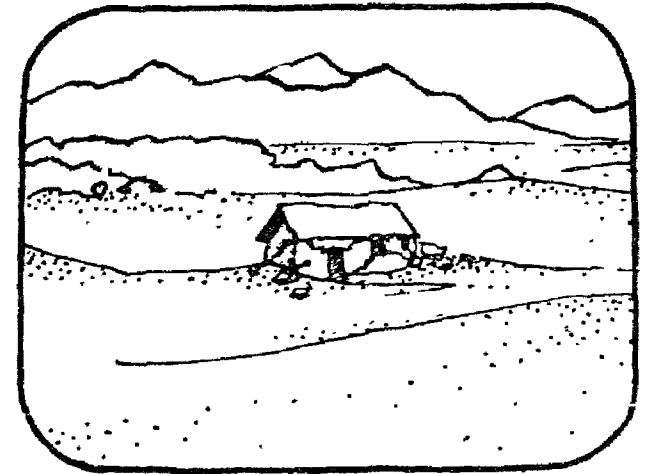
El Problema



This is a sandy area of the desert.

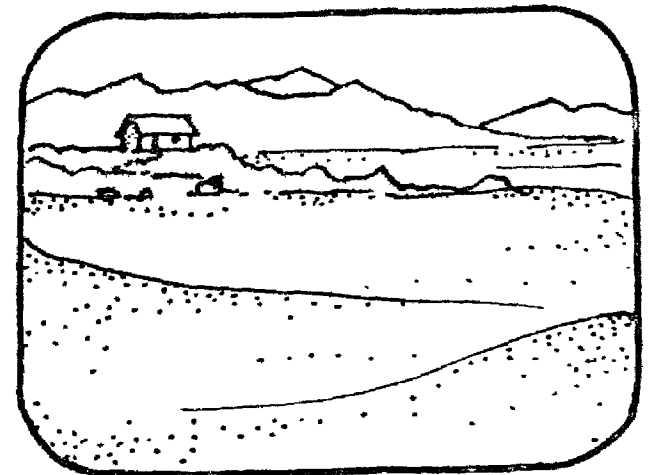


A house built on sand will not have a solid foundation...



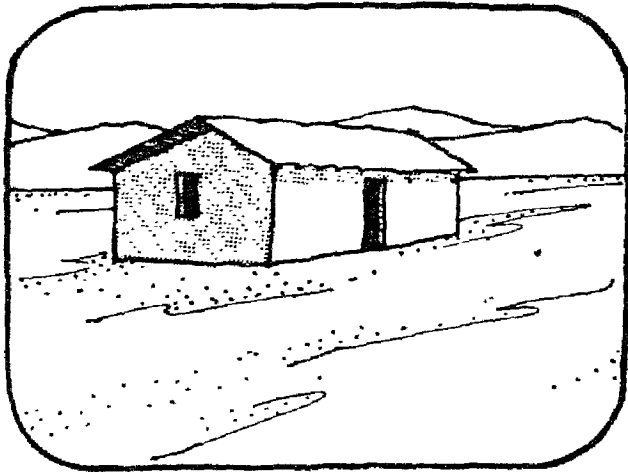
and will be damaged in an earthquake.

La Solución

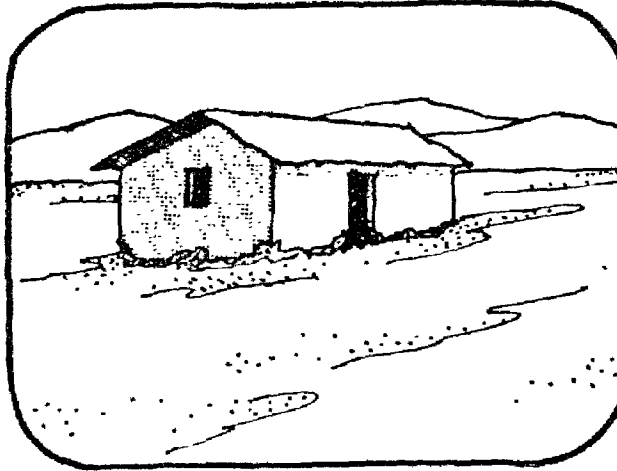


Build on solid ground or on rock.

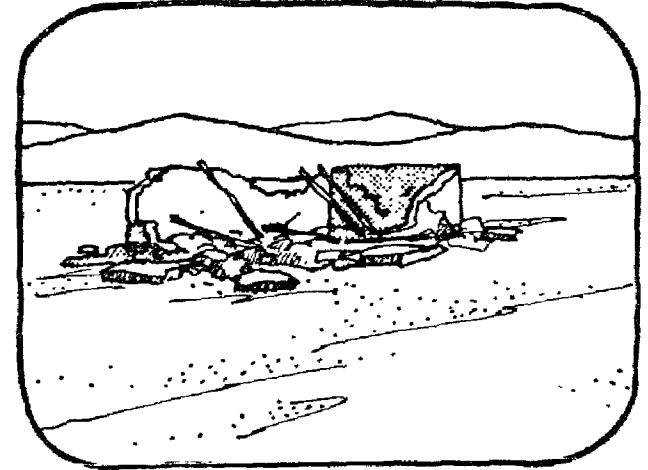
El Problema



This house was built on salty soils.

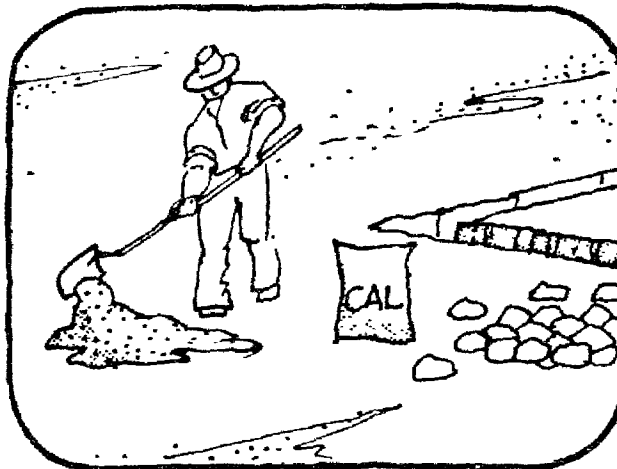


The salt will erode the foundation...

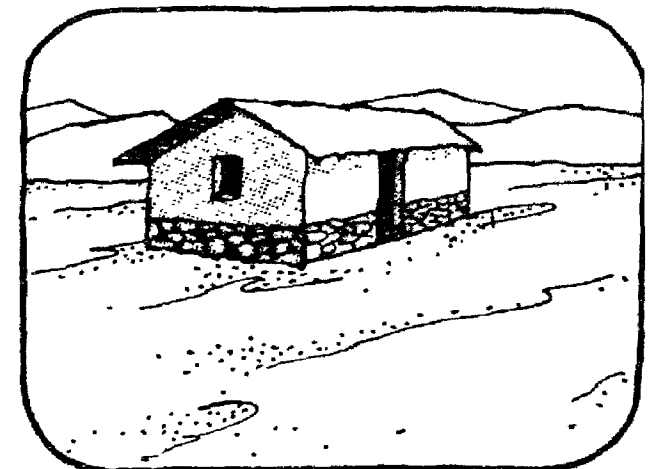


and the house will fall in an earthquake.

La Solución

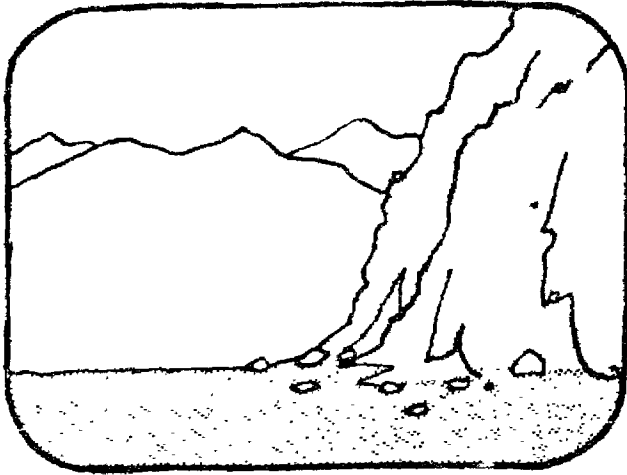


Use lime in building the foundation...

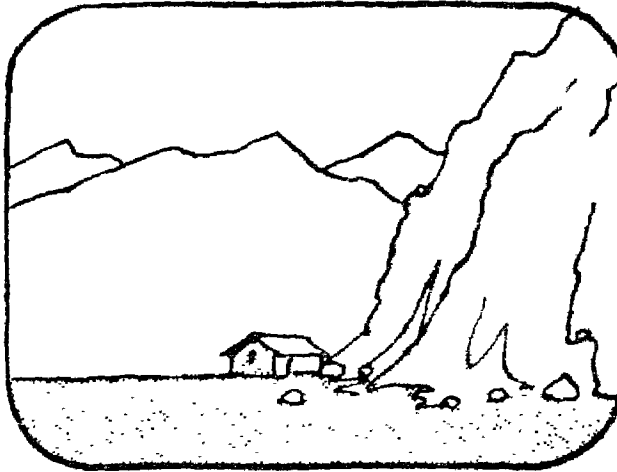


and build the foundation higher than usual.

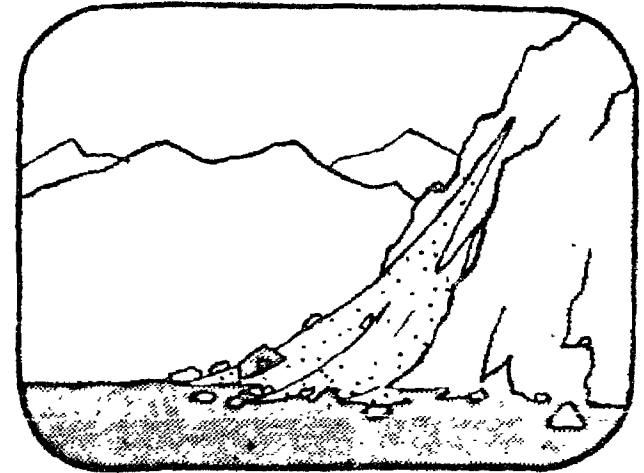
El Problema



This is a cliff.

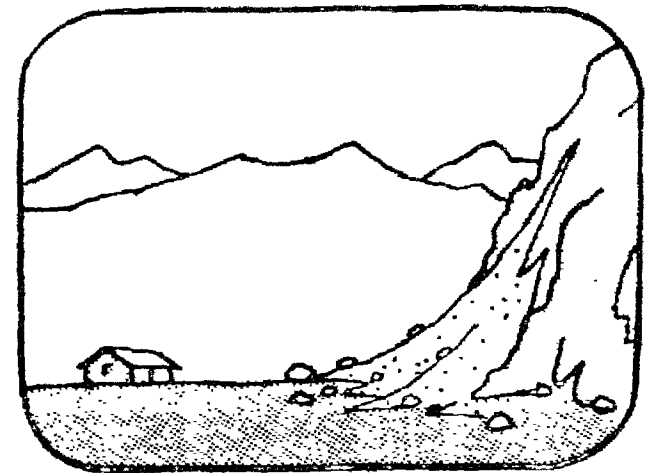


A house built at the bottom of a cliff...



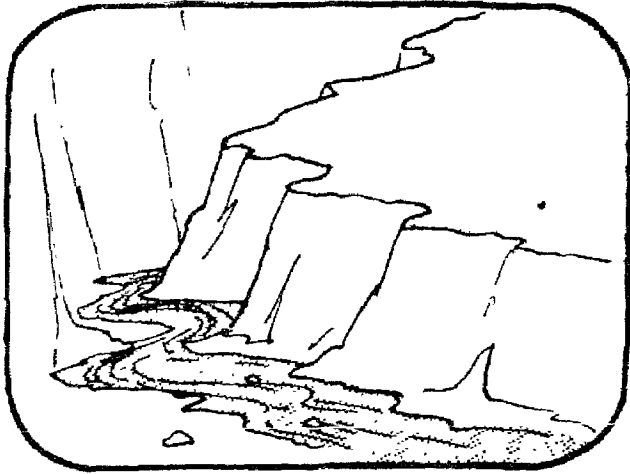
can be destroyed by a landslide during an earthquake.

La Solución

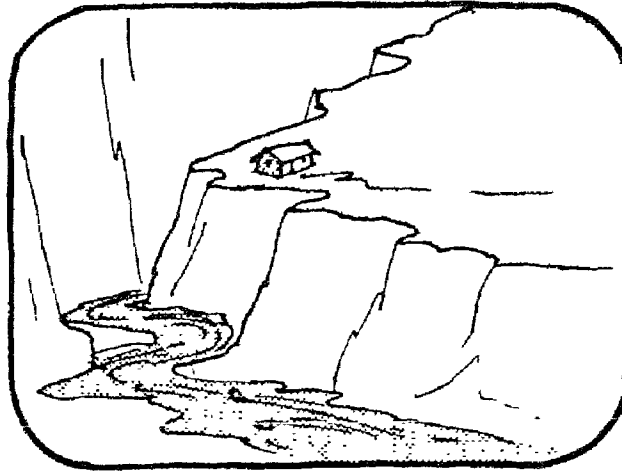


Build away from the base of a cliff.

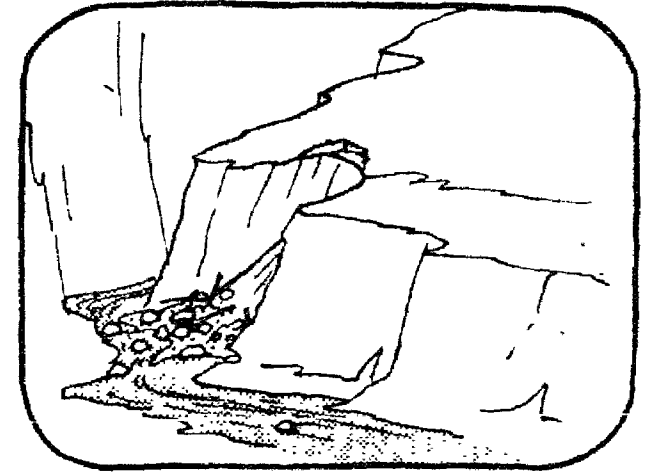
El Problema



Mountain rivers constantly erode and weaken the surrounding cliffs.

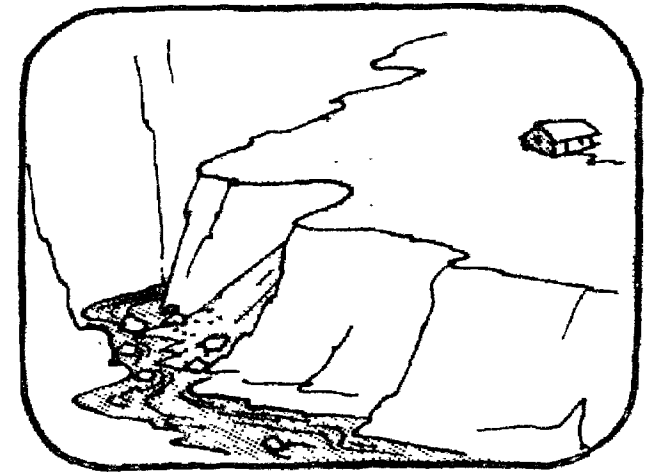


If a house is built near the edge...



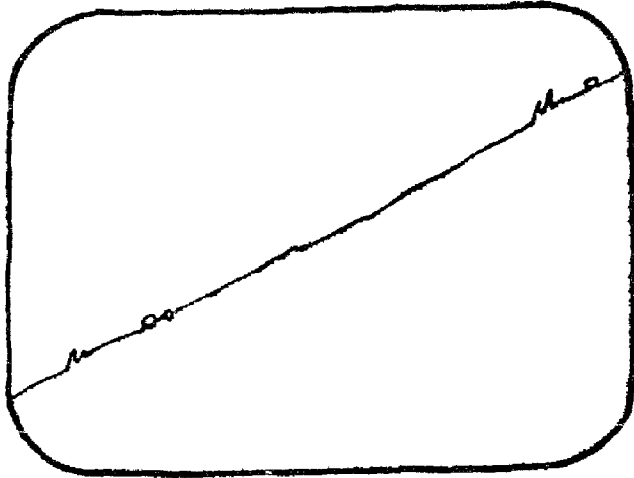
it could fall in a landslide caused by an earthquake.

La Solución

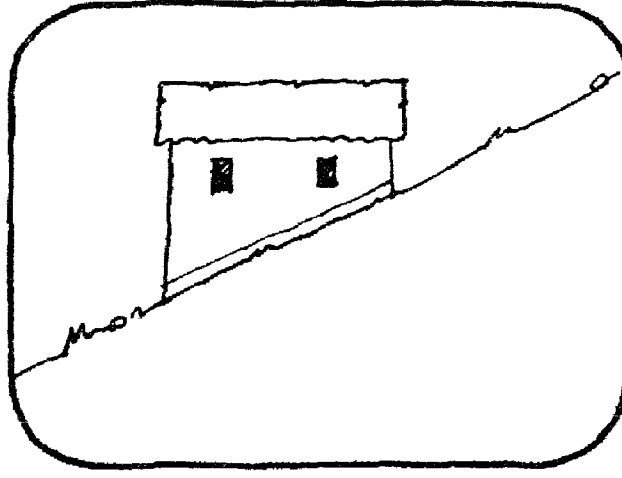


Build away from the edge of a cliff.

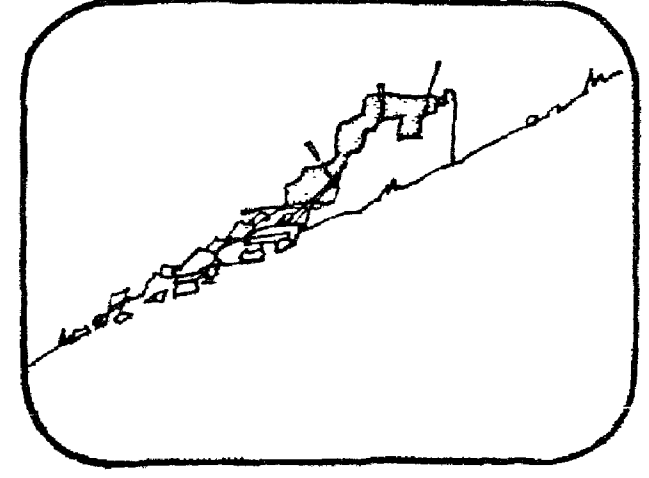
El Problema



This is a steep slope.

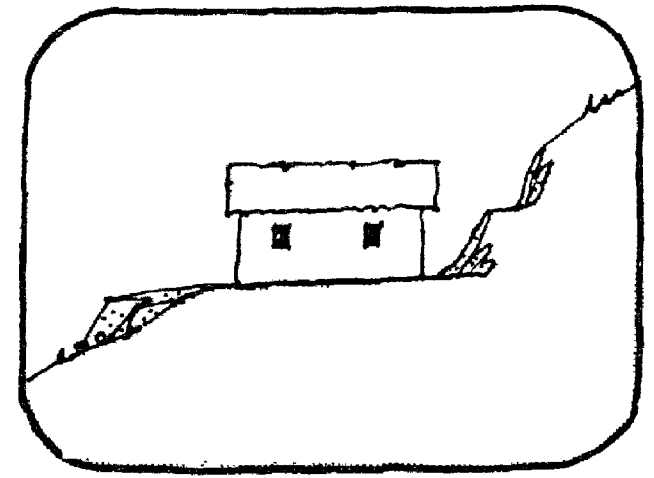


A house built on a slope like this...



will fall in an earthquake.

La Solución

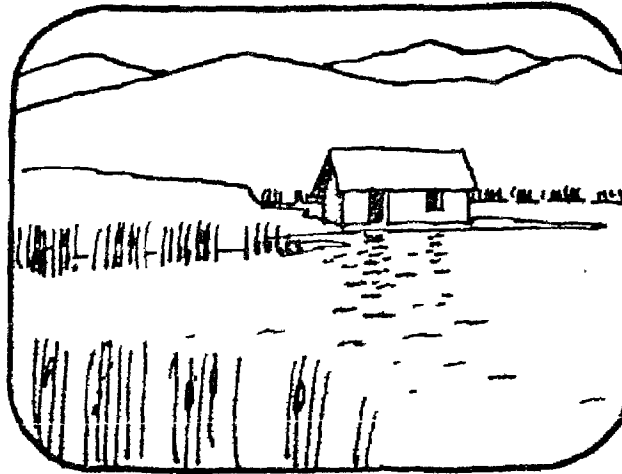


This is the correct way to build on a slope.

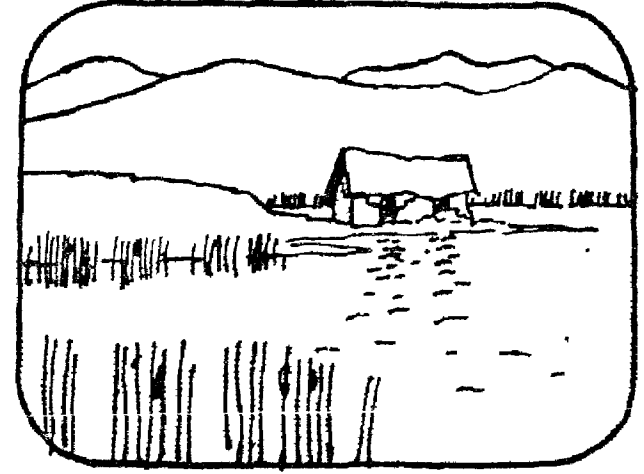
El Problema



This is the edge of a lake.

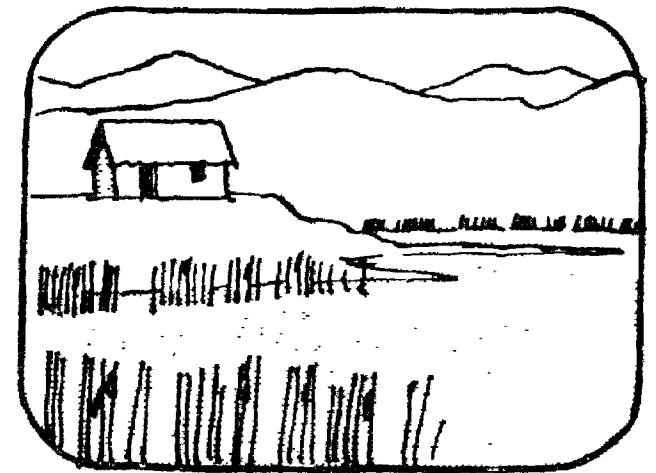


A house built close to the water will not have a good foundation...



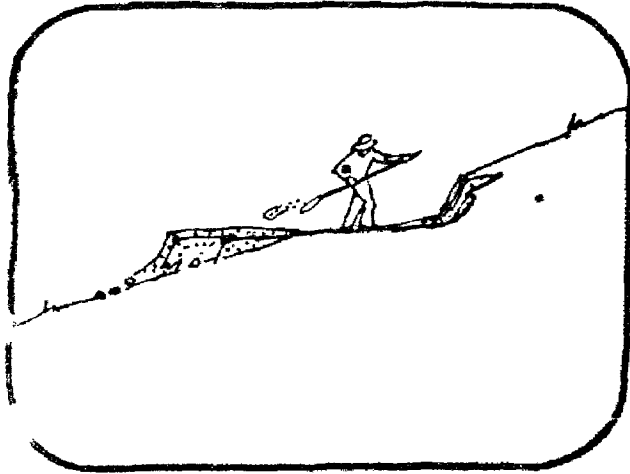
and will be damaged in an earthquake.

La Solución

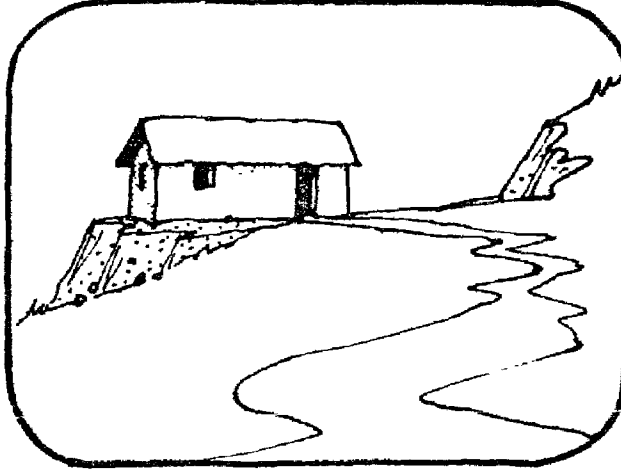


Build on higher ground away from the water.

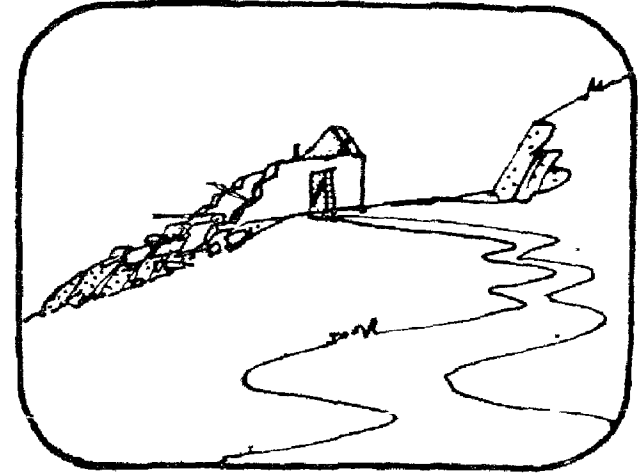
El Problema



This man is preparing a site for a house.

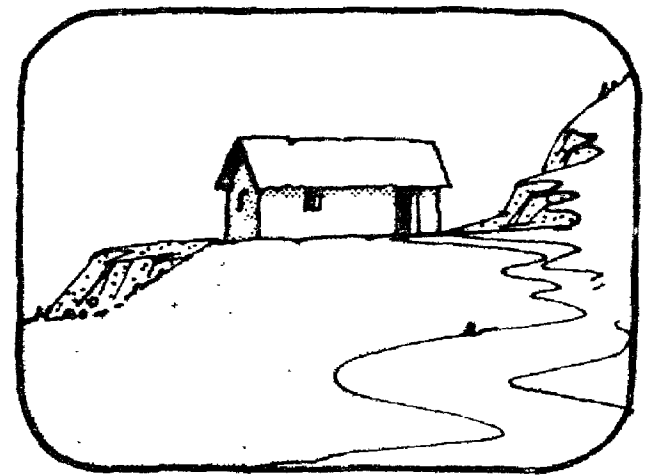


If a house is built on the fill...



it will fall in an earthquake.

La Solución



Build on the solid ground, not on the fill.

El Problema



This is land that has been cultivated.



If a house is built on the land before it has been properly compacted...



the house will be damaged in an earthquake.

La Solución



Do not build on land that has been cultivated.