



# Canarygeog Worksheet

## Earthquakes - Answers

1. What causes an Earthquake?

Friction between tectonic plates.

2. How do earthquakes happen in an area of fold mountains ?

There is friction between the plates and the mantle and between the plates and the fold mountains above them.

The plates don't move smoothly.

There are many jolts of the plates, each jolt is an earthquake.

3. Why are there earthquakes on a conservative plate boundary ?

Because the two plates are sliding past each other and there is a large amount of friction between them.

4. What scale is used to measure earthquakes ? What type of scale is this ?

We use the Richter Scale

It's a logarithmic scale, the magnitude between each level goes up 10 times.

5. How would people react to earthquake warning predicted by a seismologist ?

People may evacuate to a safer place to not be injured or killed.

Some people will panic and accidents will occur, some people will be injured.

People will take their valuable belongings with them to avoid them being stolen.

People will buy a large number of emergency supplies leaving the supermarkets without stock and also increasing their price.

Sometimes the warning will be ignored.

If there are false warnings people will probably not believe future warnings.

Traffic will collapse due to the number of people evacuating.

6. Which type of aid is most effective in an LEDC that has just suffered an earthquake?

Any type of short term aid is correct.

You must include reasons why you consider the other types less effective.

Remember that aid can have positive and negative effects.

7. How do people attempt to manage the risk of earthquakes ?

They can train a larger number of emergency crews.

Create more emergency shelters.

Drills should be prepared and practiced regularly.

Public should be informed through leaflets or television programs.