

Earthquakes



Earthquakes occur when two _____ shift their position suddenly, causing the earth to shake.

They occur along on _____.

There are three types of faults:

- ↪ Normal faults – occurs at a _____ plate boundary
- ↪ Reverse/Thrust – faults occurs at a _____ plate boundary
- ↪ Strike slip faults – occurs at a _____ plate boundary

Earthquakes usually last a minute and are followed by smaller tremors called _____.

In the few minutes earthquakes occur, homes, buildings, roads and even entire cities can be destroyed.

In the 1930's Charles Richter invented the _____.

- ↪ it measures the severity, or intensity, of earthquakes waves on a scale of _____; 1 being _____, 10 being _____

Every level is 10 times _____ than the previous

The magnitude of earthquakes waves are measured with a _____.



Richter Scale

- 1** – Very small shaking, not felt by people but still recorded enough for a seismograph to detect it
 - ↪ They occur _____

- 5** – Can be felt by people - small objects are knocked over, doors swing closed, cars rock – vibrations feel like a heavy truck hitting a building
 - ↪ They occur _____

- 10** – Extensive damage, nearly all buildings on the surface are destroyed, waves visible on the ground, visible cracks
 - ↪ They occur _____

Major Earthquakes

1. **World's Largest:** _____ – May _____

- The largest recorded earthquake
- It measured _____ on the Richter scale

2. _____ – **Near the coast of Honshu – March** _____

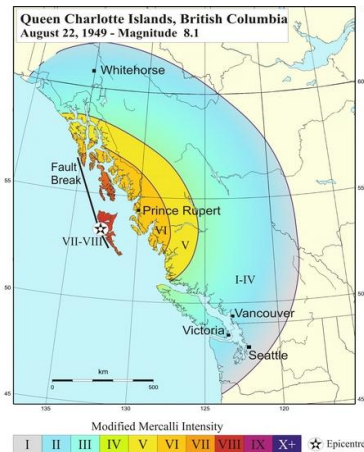
- Measured _____ on the Richter scale

3. _____ **Ocean – December** _____

- Measured _____ on the Richter scale
- Nearly _____ people in 11 countries were killed, most by the tsunami that formed as a result of the quake.

In Canada: _____ – **August 22, 1949**

- It measured _____ on the Richter scale
- The shaking was so _____, cows were knocked off their feet a thousand km away
- In Prince Rupert, windows smashed and buildings swayed



Facts

There are over _____ detectable earthquakes every year, about _____ a day, one every _____ seconds.

Over _____ people have died because of earthquakes in the past _____ years.