

Topic:	Earthquakes
Aim:	

1. What are earthquake and what causes them?	<b>Earthquakes</b> are the shaking, or rapid motion of the <b>Earth's crust</b> . Caused mainly by <b>faulting</b> (a fracture/ break in the Earth's crust along which there is motion).
2. What is the difference between an earthquake focus and epicenter?	<b>FOCUS</b> -  <b>EPICENTER</b> -
3. What is a tsunami?	a large ocean wave created by an undersea earthquake

4. What two scales are used to measure an earthquake?
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**A.**  
**Modified Mercalli Scale**  
Measures intensity of earthquake based on observations and resulting damage.  
I-XII  
  
**Note:**  
An earthquake might rate higher on the Mercalli Scale than on the Richter scale because damage can be greater in areas where cities are built on weak bedrock even when the earthquake isn't that strong.

**B.**  
**Richter Scale**  
Measures magnitude of earthquake (energy released) using a seismograph.  
  
1-10  
(each successive number on scale is 10x stronger than the previous)