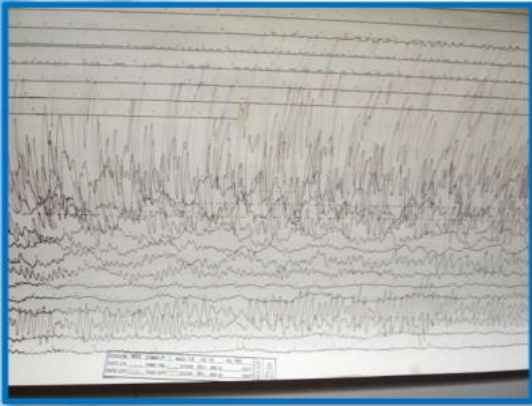


Monday 8<sup>th</sup> February 2021 - Mild

LO: To learn about the effects of seismic waves.

# Measuring earthquakes



A seismograph print out of the 2011 Tohoku Earthquake as recorded in Massachusetts, USA.

The Mercalli scale measures how much damage is caused by earthquakes based on observations. It is measured on a scale between 1 and 12.

**Your task:**

- Complete illustrations to show what would happen at each level of the Mercalli scale. The scale is listed below to help you.

## The Mercalli Scale

1. Felt by almost no one.
2. Felt by very few people.
3. Tremor noticed by many, but often do not realise it's an earthquake.
4. Felt indoors by many, feels like a truck has struck the building.
5. Felt by everyone; trees and poles may sway.
6. Felt by all; furniture is moved.
7. Poorly built structures considerably damaged.
8. Structures not designed to withstand earthquakes may collapse.
9. Noticeable cracks in the ground. All buildings considerably damaged.
10. Many structures destroyed; ground badly cracked.
11. Almost all structures fall; bridges wrecked.
12. Total destruction.

Level 1	Level 2
Level 3	Level 4
Level 5	Level 6
Level 7	Level 8
Level 9	Level 10
Level 11	Level 12