**Seismic Waves**

There are 2 types of seismic waves:

* Surface waves that travel on the surface of the Earth
	+ These are the slowest but most destructive
	+ 2 main types
		- Rayleigh- travel like water waves

Diagram:

* + - Love- travel like a snake

Diagram:

* Body waves- travel through the Earth. Can give us data on Earth’s composition
	+ P-waves (Primary waves)
		- Fastest waves, and arrive first during an Earthquake
		- Compression waves caused by a forces smashing molecules together
		- Travel in any form, solid liquid or air

Diagram:

* + S-waves (Secondary waves)
		- Slower but more damaging
		- Have a transverse or shearing motion
		- Shake the earth side to side
		- Only travel in solid

Diagram: