

READING ACTIVITIES (Answer key)

After reading the text, copy and answer the following questions into your notebook:

Remember: you must make complete sentences.

2.1. Define these terms:

a. Tectonic Plate:

It is each one of the large blocks the lithosphere is divided into.

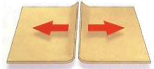
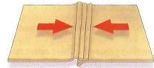

b. Convection current:

It is the circulation of materials in the asthenosphere. As rocks melt they become less dense, and rise towards the surface. At the same time, rocks of the upper mantle, colder and denser sink to the deeper zones of the mantle, where they heat up and consequently rise up again. The convection currents of the asthenosphere are the engine that moves the tectonic plates located just above them.

c. Asthenosphere:

It is the layer of the Earth located just below the lithosphere. It is the uppermost part of the mantle. The asthenosphere is denser than the lithosphere and is partially formed by molten materials that circulate in convection currents.

2.2. Complete the following chart:

	Relative movement of the plates	Type of boundary	Geological limit
	Divergent movement (Plates separate)	Divergent boundary	Oceanic ridge
	Convergent movement (Plates collide)	Convergent boundary	Oceanic trench Mountain range
	Side slip movement (Plates rub)	Transform boundary	Transform fault