



1. Listen and complete the text with the following words. Be careful! Some words are missing.

Ranges	Towards	Convergent	Lithosphere	Static	Away from	Transform	Mantle
Divergent	Trench	Earthquakes	Boundaries	Slide past	Convection	Volcanoes	Ridges

Plate tectonic dynamics

Lithospheric plates are not, they move and they change their and

We cannot see these changes because they happen over millions of years.

a) Why do the Plates change?

The internal energy of the Earth causes in the
The movement of rocks in the mantle affects, breaking the plates, changing their size and moving them.

b) Plate boundaries

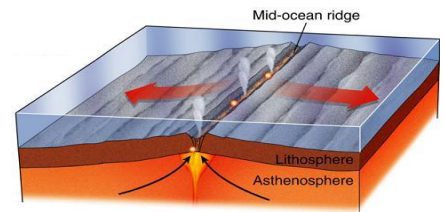
Lithospheric plate are especially active.
There are three types of boundaries depending on the plates touch:

- **boundaries**

They are the edges between two plates which move *each other*.

In general, one of the plates moves beneath the other and inside the mantle, destroying part of the lithosphere (one plate its size).

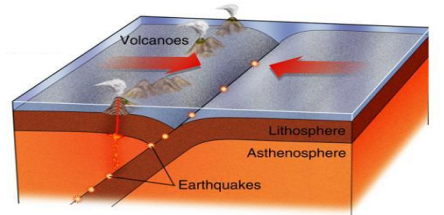
There is usually a along these boundaries.



- **boundaries**

These are the boundaries of two tectonic plates that are moving *each other*.

Oceanic are formed between them, and through these gaps molten material from the mantle often up to the surface, solidifies and forms new lithosphere (plates in size).



- **boundaries**

They occur where two plates *each other* as they move laterally in directions.

No lithosphere is created or destroyed.

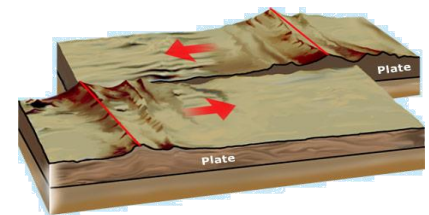


Plate boundary interaction generates huge forces, friction and an increase in the temperature of the lithosphere. These produce geological processes, such as,, mountain and other changes that alter the Earth's surface.