

Last name .....	First name.....	Group.....
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**Exercise 1: check the correct answer(s)** (6 pts)

1	<b>Plate boundaries are of different types</b>	
	a) Divergent Boundary	X
	b) Convergent Boundaries	X
	c) Transform Boundary	X
2	<b>When two oceanic plates converge</b>	
	a) We then speak of a subduction zone	X
	b) The oldest passes over the other	
	c) The densest, passes under the other	X
3	<b>Wegener's theory, is based on several arguments, including:</b>	
	a) concordance of the outline of the coasts	X
	b) Concordance of geological structures	X
	c) Concordance of paleoclimates	X
4	<b>A volcano is made up of different structures that are generally found in each of them</b>	
	a) A Crater	X
	b) The focus	
	c) The epicenter	

**Exercise 2: name 4 minor tectonic plates and 4 major tectonic plates** (2 pts)

Major Plates	Minor Plates
1.....	1.....
2.....	2.....
3.....	3.....
4.....	4.....

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**Exercise 3: answer true (T) or false (F)** (5 pts)

1	The Earth is a telluric planet	T
2	The outer layer of the Earth is called the crust	T
3	Planet earth is flattened at the poles	T
4	There are four terrestrial planets in the Solar System	T
5	In geology, the objects of study are rocks, fossils, earthquakes and volcanoes	T
6	Trilobites are characteristic fossils from the Mesozoic	F
7	In Algeria, rocks containing Ammonites are present in the south of the country	F
8	Diatoms are multicellular algae which have a silica shell	F
9	Ostracodes are multicellular animals, from the cephalopod family	F
10	A volcano can only be terrestrial	F

**Exercise 4: Fill in the gaps with the following words** (5 pts)

Transforming Boundaries, Soft Tectonics, Subsurface, Pangea, Waves, Fault, Asthenosphere, Earthquake, Fossil, Erosion, Converge, Brittle Tectonics, Lithosphere, Folds, Subduction, Groundwater, Slide

1. An **Earthquake** is a sudden shaking of the ground caused by the arrival of **Waves** created at depth following a rupture and a sudden movement of two lithospheric compartments
2. The exterior of the terrestrial globe is composed of two layers, a rigid and superficial layer, the **Lithosphere** (about 100 km thick) and a deeper ductile layer, the **Asthenosphere**
3. When two continental plates **Converge** there is no **Subduction** zone or volcanic activity because the two crusts are almost as dense as each other
4. **Transforming Boundaries** are places where two plates **Slide** past each other, like two ships passing on a river
5. **Groundwater** is water that occurs below the surface of Earth, where it occupies all or part of the void spaces in soils or geologic strata. It is also called **Subsurface** water to distinguish it from surface water
6. A **Fossil** is the remains (shell, bones, teeth, seeds, leaves, etc.) of an animal or plant preserved in a sedimentary rock. It can also be a trace of activity (traces of movement, burrows, etc.)
7. **Folds** are more or less accentuated undulations of the layers. They form in the event of ductile or plastic deformation, we speak of **Soft Tectonics**
8. We know that during the Paleozoic, almost 300 M Years ago, there existed a single unique continent, called **Pangea**
9. **Erosion** is defined as “all external phenomena, which, on the surface of the ground or at shallow depth, remove all or part of the existing land and thus modify the relief. »
10. A **Fault** is an accident which separates two parts of the same layer and moves them relative to each other. It appears in the event of fragile deformation of the layers, we speak of **Brittle Tectonics**

**Exercise 5 : Complete the following table** (2 pts)

.....	
<b>The Crust</b>	.....
	.....
.....	.....
	.....
<b>The Core</b>	.....
	.....

**Exercise 2: name 4 minor tectonic plates and 4 major tectonic plates**

Major plates

- ✓ African Plate
- ✓ Antarctic Plate
- ✓ Eurasian Plate
- ✓ Indo-Australian Plate
- ✓ Australian Plate
- ✓ North American Plate
- ✓ Pacific Plate
- ✓ South American Plate

Minor plates

- ✓ Arabian Plate
- ✓ Caribbean Plate
- ✓ Cocos Plate
- ✓ Nazca Plate
- ✓ Philippine Sea Plate
- ✓ Scotia Plate
- ✓ Somali Plate
- ✓ Juan de Fuca Plate

**Exercise 5 : Complete the following table** (2 pts)

<b>Earth's internal structure</b>	
<b>The Crust</b>	Continental crust
	Oceanic crust
<b>The Mantle</b>	Upper mantle
	Lower mantle
<b>The Core</b>	Outer core
	Inner Core ( <b>the seed</b> )