

NAMES FIRST NAMES GROUP

L1 Geology exam

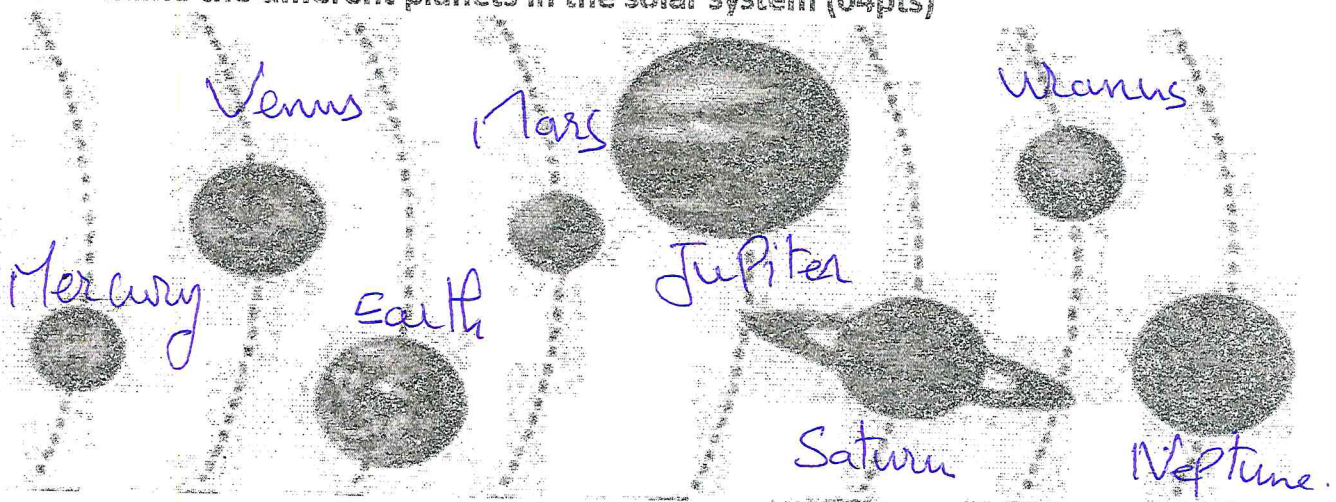
I- Name four classes of non-silicate minerals (03pts)

- 1- Native elements 3- Carbonates - Phosphates - Halogen
2- Oxides and hydroxides 4- Sulphates - Sulphides and sulfosal

II- Name the three types of rocks (03pts)

- 1- Sedimentary Rocks 2- Magmatic Rocks 3- Metamorphic Rocks

III- name the different planets in the solar system (04pts)



IV- select the correct answer (10pts)

1- Superficial earthquakes are characterized by a focus:

- a- Between 60 and 100km
- b- More than 100km
- c- Greater than 300km
- d- Less than 80 km

2- Planet Earth:

- a- The only one in the solar system to have liquid water
- b- It has an atmosphere rich in Hydrogen
- c- Revolves around the sun in 364.25 days
- d- Turns around itself 24h05min

3-In the quadratic system:

- a- $\alpha = \beta = 90^\circ \neq \Omega$
- b- $a \neq b \neq c$
- c- $a = b \neq c$
- d- $\alpha = \beta = \Omega = 90^\circ$

4- The essential unit of sulfates is the ion:

- a- $(\text{CO}_3)^{2-}$
- b- $(\text{SO}_4)^{2-}$
- c- S
- d- $(\text{SiO}_4)^{2-}$

5-The core:

- a- Forms more than 27% of the earth's volume
- b- Completely liquid
- c- Density is equal to 12
- d- The temperature exceeds 10000°C

6- The convergence between two continental plates leads to :

- a- the densest tectonic plate lost under the least dense tectonic plate
- b- The formation of mountains
- c- The least dense tectonic plate lost under the densest tectonic plate
- d- The closing of the seas

7-The Lehmann discontinuity:

- a- Separates the inner core from the outer core
- b- Separates the lower mantle and the upper mantle
- c- Marks a density contrast between the mantle and the core
- d- Marks a density contrast between the crust and the mantle

8-Metamorphic rocks come from:

- a- Transformation of igneous rocks
- b- Transformation of sedimentary rocks
- c- The transformation of sedimentary and also magmatic rocks
- d- Rocks formed inside the earth

9- Stratovolcanoes are characterized:

- a- by a fluid magma
- b- by a slope less than 15°
- c- by explosions or explosive eruptions
- d- also called gray volcano

10- Mohs scale Talc is classified:

- a- 3
- b- 4
- c- 5
- d- 6