

FINAL EXAM:
Geology (S3) : UED 3.1

Q1 / (08 pts) :

The earth is divided into three main units separated by two major discontinuities:

- 1) What are the three units?
- 2) What are these discontinuities?
- 3) What is the composition of each unit (lithological and chemical)?
- 4) Give a summary diagram.

Q2 / (09 pts) :

A mineral is a normally inorganic, more rarely organic, substance, formed naturally or synthesized artificially, defined by its chemical composition and the arrangement of its atoms according to a precise periodicity and symmetry which are reflected in the space group and in the crystal system of the mineral.

1- What are the most important minerals

Silicates form the most important group of minerals, the fundamental structural element of silicates, the tetrahedron; these tetrahedra can be isolated or united in varied assemblages.

2- Give the name, the arrangement of the tetrahedra and the writing of the silicate part in the chemical formula of the minerals belonging to each of these classes.

Q3 / (03 pts) :

Show in a table the different age of the first geological era.

Good luck