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**Answer key for the Geology 2 exam S2 2025/2026**

**1. The correct answer(s). (5 pts)**

- Granite is an endogenous igneous rock. **(1pt)**
- Limestone is : - Carbonate rock **(1pt)**/ - Sedimentary rock **(1pt)**.
- SiO<sub>2</sub>: accounts for nearly 60% of the Earth's crust's chemical composition. **(1pt)**.
- Plutonic rock are formed by the slow cooling of magma at depth. **(1pt)**.

**2. The types of metamorphism. (5 pts)**

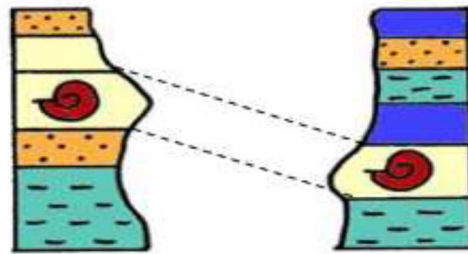
Contact metamorphism **(1pt)**. Regional metamorphism **(1pt)**. Cataclastic (or dynamic) metamorphism **(1pt)**. Hydrothermal metamorphism **(1pt)**. Burial metamorphism **(1pt)**. / Impact (or shock) metamorphism

**3. The main classes of minerals. (5 pts)**

Native elements **(0.5 pt)**. Sulfides ; **(0.5 pt)**. Halides ; **(0.5 pt)**. Oxides and hydroxides ; **(0.5 pt)**. Carbonates and nitrates; **(0.5 pt)**. Borates ; sulfates, **(0.5 pt)**. Chromates, **(0.5 pt)**. Molybdates and tungstates; phosphates, **(0.5 pt)**. Arsenates and vanadates; **(0.5 pt)**. Silicates; **(0.5 pt)**

**4. Two factors in external geodynamics : Wind **(1pt)**. Rain **(1pt)**. / Temperature**

**5. The principle of Fossil Succession **(3pts)****



Fossils help in classifying the sequence of rock and in establishing a succession in time of deposition