

CEMENTATION

Meaning: Cementation is the process by which minerals precipitate from water and fill the spaces between sediment grains, binding them together to form solid rock.

1. Cementation is a crucial process in the formation of sedimentary rocks.
2. The cementation of sand grains turned the loose sediment into solid sandstone.
3. During cementation, minerals precipitate from groundwater and bind particles together.
4. Understanding cementation can help geologists determine the history of a rock formation.
5. The strength of concrete can be greatly affected by the degree of cementation.
6. Cementation often occurs in nature over thousands of years, solidifying sediments.
7. In construction, cementation is essential for ensuring the durability of structures.
8. The study of cementation processes can reveal insights into past environmental conditions.
9. Cementation can enhance the porosity and permeability of certain rock layers.
10. Hydraulic cementation is a technique used to repair leaks in underwater structures.

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