PHENOCRYST

Meaning: A phenocryst is a large crystal that forms within a finer-grained matrix of igneous rock, providing insights into the magma's history and crystallization processes.

1. The phenocryst in the basalt provided important clues about the magma's history.
2. Geologists often study the size and composition of a phenocryst to understand crystallization processes.
3. During the eruption, the phenocrysts were ejected alongside the volcanic ash and lava flows.
4. Under the microscope, the phenocryst's intricate structure revealed its formation conditions.
5. The presence of large phenocrysts in the rock sample indicated a prolonged cooling period in the magma chamber.

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