

Section:Geology16

Context: Petrologists can also use fluid inclusion data and perform high temperature and pressure physical experiments to understand the temperatures and pressures at which different mineral phases appear, and how they change through igneous and metamorphic processes. This research can be extrapolated to the field to understand metamorphic processes and the conditions of crystallization of igneous rocks. This work can also help to explain processes that occur within the Earth, such as subduction and magma chamber evolution. CANNOTANSWER

STUDENT: **How else can petrologists understand the pressures at which different mineral phases appear?**

TEACHER: ↪ "" (pressure physical experiments)

STUDENT: **How else can petrologists understand the temperature at which different mineral phases appear?**

TEACHER: ↪ "" (physical experiments)

STUDENT: **Data from physical experiments can be extrapolated to the field to understand what processes?**

TEACHER: ↪ "" (metamorphic processes)

STUDENT: **What do petrologists use to understand magma chamber crystallization?**

TEACHER: ↪ "" (CANNOTANSWER)

STUDENT: **What experiments are used to understand how magma flows?**

TEACHER: ↪ "" (CANNOTANSWER)

STUDENT: **How does the flow of magma change?**

TEACHER: ↪ "" (CANNOTANSWER)

STUDENT: **What else can magma flows be used to understand?**

TEACHER: ↪ "" (CANNOTANSWER)

STUDENT: **What can experiments be used to explain beside magma crystallization?**

TEACHER: ↪ "" (CANNOTANSWER)

STUDENT: **What does the magma chamber evolution explain?**

TEACHER: ↪ "" (CANNOTANSWER)

STUDENT: **What processes occur above the earth?**

TEACHER: ↪ "" (CANNOTANSWER)

STUDENT: **How do physical experiments explain fluid inclusion data?**

TEACHER: ↪ "" (CANNOTANSWER)

STUDENT: **Research regarding metamorphic processes helps explain what about pressure?**

TEACHER: ↪ "" (CANNOTANSWER)