

Heavy and Magnetic Minerals Separation Laboratory



Separation of heavy minerals by density is a technique commonly used in mineral processing and geology to isolate minerals based on their specific gravities. This method exploits the differences in density among minerals to achieve separation. This experiment is being conducted in the Mineral Separation Laboratory in the Department of Geology Using heavy liquids that have a high density, such as bromoform, which has a density equivalent to 2.89 g/cm^3 .

Magnetic minerals separation device are specialized tool used to isolate minerals based on their magnetic properties. This device exploits differences in magnetic susceptibility to separate magnetic minerals (like magnetite) from non-magnetic ones.



Magnetic Separator