MINERALS, THE BUILDING BLOCKS OF ROCKS

Minerals are solid substances that occur naturally in the Earth from non-living material. Minerals have a definite chemical composition—they are the same, through and through, no matter where they are found. All rocks are made up of a combination of minerals.



Minerals Grow Crystals

Most minerals have a regular crystal shape—which means the mineral grows in a repeating pattern of the same shape. The size of a crystal depends on how long it was growing and how much space was available for it to grow.



Gemstones are mineral crystals that are unusually beautiful, rare, and durable. Emeralds are beautifully formed crystals of a mineral called beryl.



Ore minerals are the source of most metals. Once the ores are mined out of the Earth, they are crushed and separated, then melted to produce metal.