

Rocks & Minerals

Set Contents

The Rocks and Minerals Kit is a collection of select rocks and minerals that help teach key themes in earth science such as how Earth was formed, what it is made of, what processes led to Earth's features being the way they are today (plate tectonics), and natural resources.

Type	Name	Comments	Box
Metamorphic	Banded Gneiss	Example of regional metamorphism (formed by heat and pressure).	A
Metamorphic	Phyllite	Example of regional metamorphism (formed by heat and pressure).	A
Igneous	Andesite	Continental crust is made up of mostly andesite and granite.	A
Igneous	Basalt	The oceanic crust is made of basalt.	A
Igneous	Gabbro	Forms when magma solidifies below Earth's surface; an intrusive igneous rock.	A
Igneous	Granite	Three pieces to show variation; pink and gray granite; continental crust is made up of mostly andesite and granite.	A
Igneous	Obsidian	Solidified silica-rich magma, low in dissolved gas; commonly called volcanic glass.	A
Igneous	Pegmatite	A coarse-grained igneous rock that can contain gemstones.	A
Igneous	Rhyolite	An extrusive volcanic rock.	A
Igneous	Welded Tuff	Composed of welded hot cinders and ash from a pyroclastic flow.	A
Sedimentary	Conglomerate	Composed of large pebbles and smaller particles.	A
Sedimentary	Sandstone	Composed of sand particles.	A
Sedimentary	Shale	A fine-grained rock made of clay and mud particles. Mudstone is made of finer particles than those in shale. Typically formed from sediments deposited in slow-moving water.	A
Mineral	Biotite	A mineral found in granite.	A
Mineral	Calcite	Effervesces with HCl. White, yellow or colorless.	B
Mineral	Feldspar	Cream to pink or white to grey. A mineral found in granite. Sand grains are bits of quartz and feldspar.	A
Mineral	Fluorite	White, yellow, purple or green.	B
Mineral	Galena	Silver-gray.	B
Mineral	Graphite	Writes on paper; feels greasy. Silver-gray.	B
Mineral	Hematite	Red to grayish brown.	B
Mineral	Magnetite	Magnetic. Black.	B
Mineral	Muscovite	A mineral found in granite.	A
Mineral	Pyrite	Fool's Gold - looks like gold.	B
Mineral	Quartz	A mineral made of silica and found in granite. Sand grains are bits of quartz and feldspar.	A
Mineral	Rock Salt	Salty taste. Colorless to white.	B
Mineral	Sphalerite	Smells of sulfur. Yellow-brown to black.	B
Mineral	Talc	Soapy in feel. Green to white with pearly luster.	B