

Rock Terminology

Rock — Minerals — Element — Petrology
Petrologist — Igneous rocks — Magma
Extrusive igneous rock — Intrusive igneous rock
Crystalline igneous rock

Rock	a mass of minerals made of elements
Minerals	collections of certain elements; often found in the form of crystals
Element	substance that contains only one kind of atom and cannot be divided into simpler parts
Petrology	branch of geology that deals with rock formation, composition, and classification
Petrologist	a scientist who studies rocks
Igneous rocks	rocks formed from magma
Magma	molten rock that forms inside the earth
Extrusive igneous rock	forms from magma that reaches the surface as lava, then cools; volcanic rock
Intrusive igneous rock	forms from magma that cools beneath the surface of the earth; plutonic rock
Crystalline igneous rock	igneous rock made of crystals

Rock Terminology

Amorphous igneous rock — Granite — Basalt
Sediment — Sedimentary rocks — Lithification
Stratigraphy — Fragmental sedimentary rocks
Precipitated sedimentary rocks — Conglomerate rock

Amorphous igneous rock	igneous rock that often does not have distinct crystals
Granite	most common igneous rock; any color from light grey to pink; can also be black
Basalt	dense igneous rock formed from heavy flows of dark lava; colors are dark green to black
Sediment	bits of rock, decayed organisms, and minerals that settle out of a liquid like water
Sedimentary rocks	rocks formed from sediment
Lithification	name for the process that forms sedimentary rocks
Stratigraphy	the study of the layering of sedimentary rocks
Fragmental sedimentary rocks	formed by small pieces of other rocks being cemented together
Precipitated sedimentary rocks	formed from material dissolved out of other rocks
Conglomerate rock	sedimentary rock made of different materials held together with various substances

Rock Terminology

Sandstone — Shale — Metamorphic rocks
Metamorphism — Foliated rock — Marble
Quartzite — Crystals — Geode — Diamond

Sandstone	very common sedimentary rock made of grains of sand or quartz cemented together
Shale	sedimentary rock made of mud and clay; breaks easily into thin layers with sharp edges
Metamorphic rocks	formed when heat, pressure, or chemicals interact with igneous or sedimentary rocks
Metamorphism	the process that changes sedimentary or igneous rocks into metamorphic rock
Foliated rock	rocks made of leaflike layers
Marble	metamorphic rock made from limestone or dolomite; harder than limestone
Quartzite	metamorphic rock made from sandstone firmly joined together by silica cement
Crystals	atoms are arranged in a mathematical, orderly way
Geode	looks like a rock, but is hollow and often has crystals inside
Diamond	the most famous crystal in the world; hardest substance found in nature

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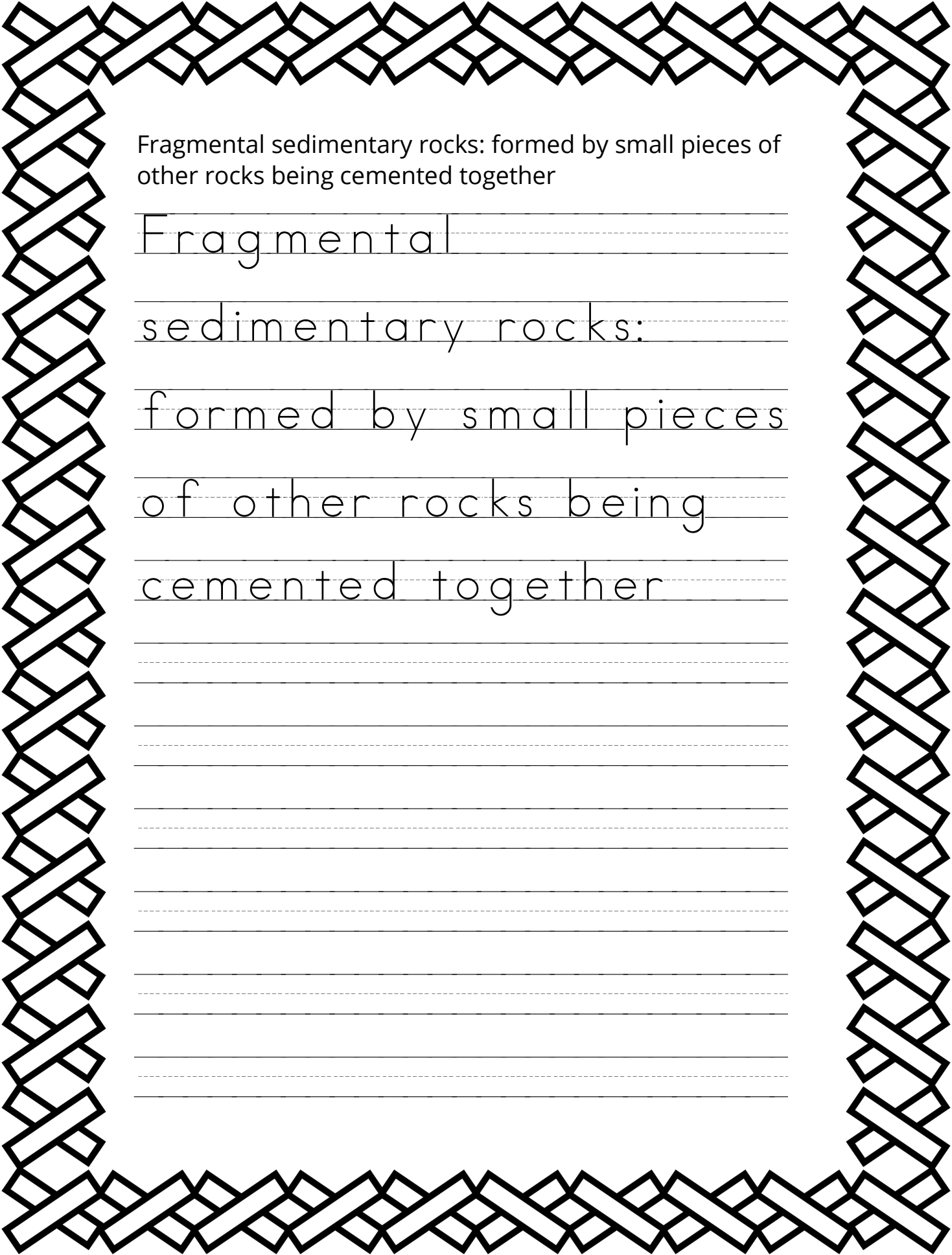
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Handwriting practice lines consisting of multiple sets of three horizontal lines (top, middle dashed, bottom) for tracing and independent writing.

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