

Mines Museum Rock Cycle Kit List

Each Rock Cycle Kit contains 24 total numbered rock samples in a labeled divided plastic container; 10 igneous rocks, 8 sedimentary rocks, and 6 metamorphic rocks. Each kit includes one sample each of:

- **IGNEOUS ROCKS**
 - Granite
 - Pumice
 - Gabbro
 - Scoria
 - Rhyolite
 - Obsidian
 - Basalt
 - Diorite
 - Peridotite
 - Andesite
- **SEDIMENTARY ROCKS**
 - Quartz sandstone
 - Fossil limestone
 - Limestone
 - Conglomerate
 - Arkose sandstone
 - Breccia
 - Coal
 - Shale
- **METAMORPHIC ROCKS**
 - Gneiss
 - Marble
 - Slate
 - Quartzite
 - Garnet schist
 - Mica schist
- **TOOLS**
 - 2 -10x magnification hand lenses/loupes
 - 1 laminated % volume estimation card (*for use with igneous rocks*)
 - 1 grain size card (*for use with sedimentary rocks*)
 - 1 index minerals card (*for use with metamorphic rocks*)

NOTES:

- **Bottles of HCl (hydrochloric acid) for testing effervescence of calcite in rocks like marble and limestone ARE NOT INCLUDED;** HCl use requires adult supervision - bottles of dilute, 10% HCl may be reserved separately; we recommend reserving one bottle per class to be monitored by the teacher
- **Digital teacher's activity guide is currently under development.**