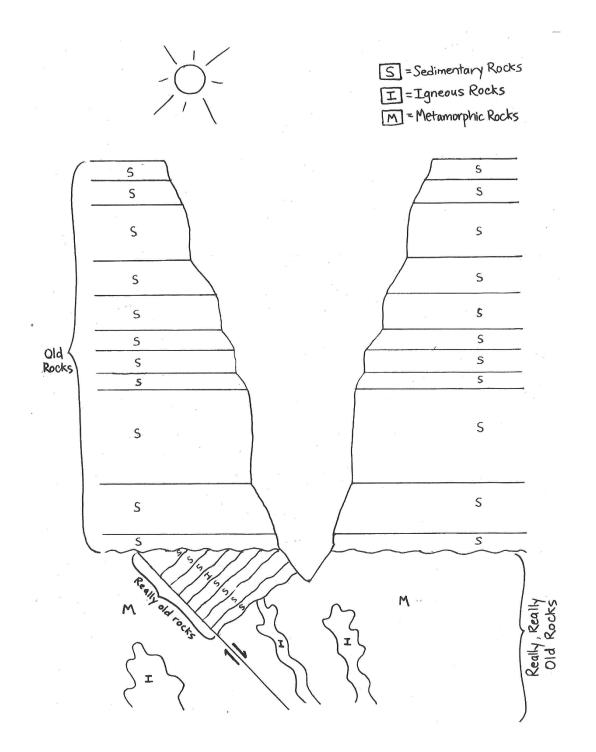


The Geology of the Grand Canyon Coloring Sheet





This photo, taken from the South Rim of the Grand Canyon (looking north), shows only some of the rocks.

The Geology of the Grand Canyon

- There are three main rock types and all of them can be found in the Grand Canyon.
 - Sedimentary Rocks (S) Form when sediments (sand and mud) pile up and harden (lithify) over time.
 - **Igneous Rocks (I)** Form when hot, liquid rock (magma below Earth's surface or lava at/above Earth's surface) cools and hardens into rock.
 - Metamorphic Rocks (M) Form when heat or pressure changes other rocks.
- The Grand Canyon has three main units:
 - Old Rocks Flat, sedimentary rocks above the tilted rocks, all the way up to the rim of the canyon.
 - Really Old Rocks Near the bottom, mostly sedimentary rocks, tilted by a fault (arrows).
 - Really, Really Old Rocks At the bottom, folded metamorphic rocks and igneous rocks.

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Note: For simplicity, this sketch does not show the higher elevation, nor the detailed stratigraphy of the North Rim of the Grand Canyon.

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