



In Stages 3 to 5 of mineral evolution, a variety of igneous and metamorphic processes increased the diversity of mineral species. Mount Stromboli (shown here in eruption, October 2007) is an arc volcano formed as the African Plate subducts under the Eurasian Plate. Plate tectonics is an example of mineral-forming processes that first emerged in Stage 5. PHOTO COURTESY OF TOM PFEIFFER ([WWW.VOLCANODISCOVERY.COM](http://WWW.VOLCANODISCOVERY.COM))