

Living in the shadow of Italy's volcanoes


Use the Internet to conduct research to compare three of Italy's most famous volcanoes, Mount Vesuvius, Mount Etna and Stromboli.

Complete the following table. Mount Vesuvius has been done for you.


The following two websites are a good starting point:

<http://geology.com/volcanoes/etna/>

<http://geology.com/volcanoes/stromboli/>

Characteristic	Mount Vesuvius	Mount Etna	Stromboli
Location	Bay of Naples		
Photo			

Comparing Italy's volcanoes

Description of volcano shape	Steep sided, with two distinct peaks (craters)		
Tectonic setting (diagrams)			
Tectonic setting (description)	Subduction margin, African plate subducting beneath Eurasian plate. 'Slab window' affects chemistry of the magma resulting in explosive eruptions.		
Eruptive products (e.g. lava, ash)	Ash, pyroclastic flows		

Comparing Italy's volcanoes

<p>Eruptive history (details of recent eruptions)</p>	<p>AD 79 eruption killed some 16,000 people mostly in Pompeii and Herculaneum. Recent eruptions in 1906 and 1944.</p>		
<p>Major hazards</p>	<p>Ash falls and pyroclastic flows could bury or wipe out nearby settlements. A large eruption could affect global climates.</p>		