

Sheet 11 - Assessment of sequence 1 (part 1)

Text 1: Story of the eruption of the Piton de la Fournaise

On the night of the 24th to the 25th March 1977, after a 5 month rest, a crack opened at an altitude 2000 m. A small quantity of very fluid lava was emitted in the form of projections, then the activity stopped.

On 5th April, a new crack appeared following a large explosion and fountains of lava spouted up to 20 m high. On 8th April, a very large fluid lava flow escaped through a 500 m long crack and descended the slopes of the volcano. 800 people of a threatened village were evacuated. On 9th of April, a large flood of lava descended in the direction of the village of Piton-Sainte-Rose and 2 500 people were evacuated. The next morning, the river of lava reached the sea. Flows advanced into the sea and the island increased by 30 000 m².

On 13th April, explosions announced the opening of a new crack through which a very large lava flow escaped. About twenty houses of Piton-Sainte-Rose were destroyed, and the church was damaged.

On the 16th of April, the emission of lava stopped, the piton de la Fournaise calmed down until the next eruption.

From Maurice Kraft, "La Fournaise"

Text 2: Story of an eruption of Mount Pelée

In February 1902, fumaroles appeared at the top of the mountain. On 25th April, following an explosion, an enormous cloud of ashes escaped from a crater close to the top. The surroundings of the village of Saint-Pierre were covered with a grayish powder.

On 2nd May, violent explosions awoke the city. Above the volcano an enormous ash cloud went up several kilometers. On 7th May, incandescent blocks of very viscous lava were projected from the crater and ash falls increased.

The following day, a volcanic cloud descended the slope of Mount Pelée at a speed of 500 km/h and destroyed Saint-Pierre. The 28 000 inhabitants were instantaneously killed.

From the 20th to the 26th May, a less intense volcanic cloud occurred and at the level of the crater the formation of a rocky cone of approximately 100 meters in height could be observed. This cone continued to grow reaching 400 meters on 31st May: it was a genuine needle. A few days later, a volcanic cloud destroyed the needle and, on the 30th August, a new much more intense volcanic cloud devastated all in its passage and killed 1 000 inhabitants of Morne-Rouge, a village located at 6 km of Saint-Pierre.

Other ash clouds occurred during the remainder of the year 1902. In mid-October, a new solidified needle was formed in the crater.

According to *Research*, July-August 1987

1. Complete the table from the two texts that you just read.

Name of the volcano	Piton de la Fournaise	Mount Pelée
Materials issued by the volcano (lava, ashes, dust, gas,...)		
Consequences of the eruption		

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2. For each following sentence, tick the right answer.

- | | | |
|--|-----------------------------------|------------------------------------|
| The piton de la Fournaise is a volcano | <input type="checkbox"/> red | <input type="checkbox"/> grey |
| The eruption of the piton de la Fournaise is | <input type="checkbox"/> effusive | <input type="checkbox"/> explosive |
| Mount Pelée is a volcano | <input type="checkbox"/> red | <input type="checkbox"/> grey |
| The eruption of Mount Pelée is | <input type="checkbox"/> effusive | <input type="checkbox"/> explosive |

Item 2 0 1 9