It is therefore very important to monitor Etna and to put in place mitigation to reduce effects.

(b) Add the three words/phrases seen below into the appropriate space in the table below:-

COORDINATION		RISK ANALYSIS	MITIGATION				
WORD/PHRASE	DEFINITION						
	To take action to minimise the impact of an identified natural disaster.						
	To develop plans and then organise, train and manage all persons with responsibility in the event of a disaster.						
	To identify areas where there are potential natural hazards that could affect human activities.						



Luckily, Etna's lava flows don't usually kill. However, the impact of a volcanic eruption on peoples' livelihoods, property and infrastructure (corora, air arc avate, air arc avate, arc a

MONITORING ETNA:

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It is the Istituto Nazionale di Geofisicia e Vulcanologia (INGV), Catania section, that monitors Etna. Its monitoring systems work 24/7...which is good to know!

Monitoring methods include both:-

- permanent networks of remote sensors (e.g. seismic, geodetic, geochemical and video) directly linked to INGV in Catania ... along with ...
- occasional field observations, surveys and laboratory analyses

TASK: Add the following "monitoring words" into the correct section of the table below:-



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SEISMIC GEODETIC GEOCHEMISTRY VIDEO

METHOD OF MONITORING	WHAT IT MEASURES/DETECTS
	the variations in the shape of Etna and the changes in its slope morphology.
	the nature of the gases (e.g. CO2) and groundwater (their chemical and isotopic
	composition) coming from Etna.
	the earthquakes triggered by deep movements of magma that migrate to the surface of Etna.
	remotely sensed images (webcams) in densely populated areas (visible, infrared and
	thermal cameras).