

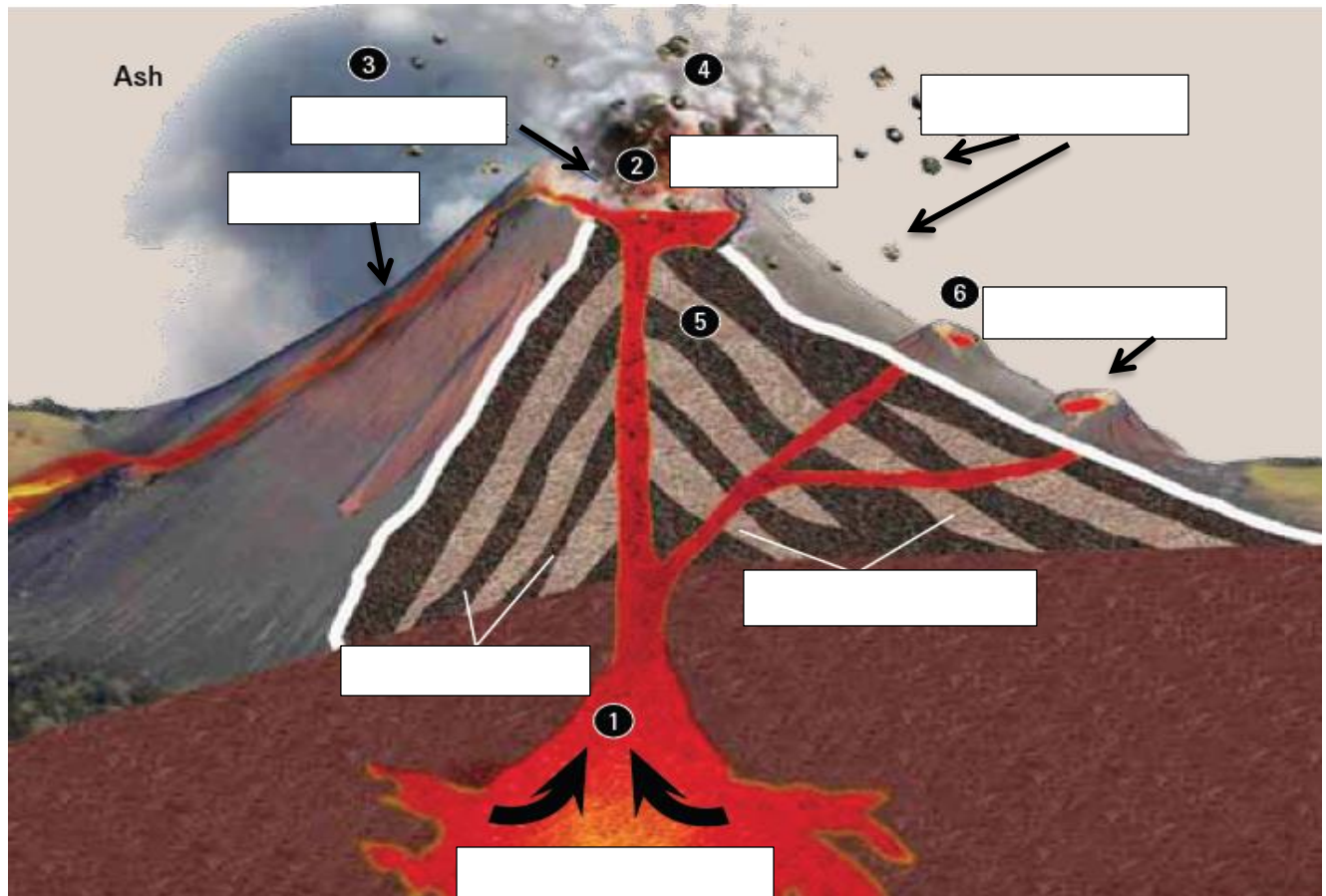
St Andrew's Secondary School
Geography Unit

Topic: Living with Tectonic Hazards Part 2

Name: _____ () Class: _____ Date: _____

1. What are volcanoes and how are they formed? [3]

2. Label the different parts of the structure of the volcano. [4]



3. Identify the different characteristics of the two types of lava.

Characteristics	Basic lava	Acid Lava
Silica content		
Viscosity		
Rate of flow		
Temperature		
Plate boundary		

4. Refer to Fig. 1 and describe the distribution of the volcanoes in the world.

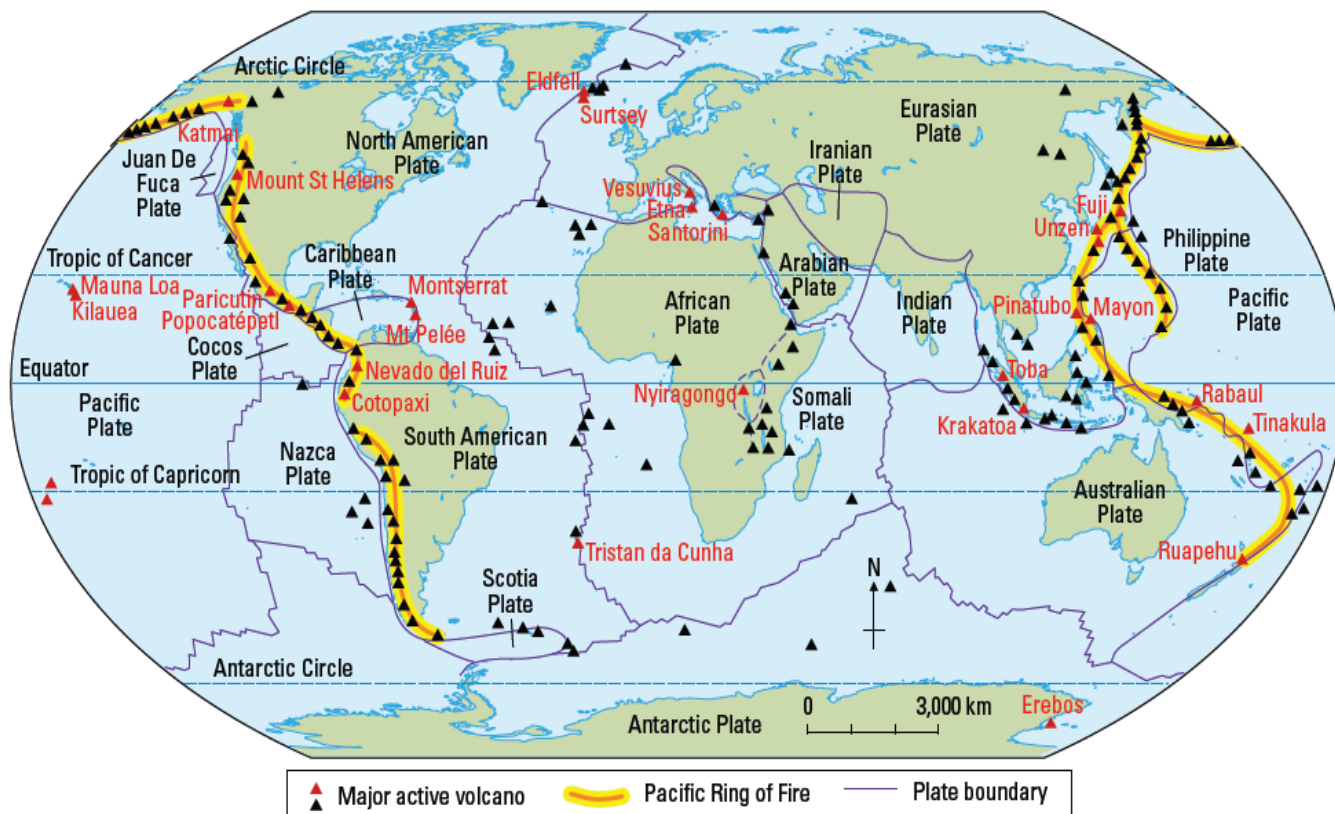


Fig. 1

[illegible]

(ii) With the use of examples, describe why volcanoes vary in their physical characteristics and eruption type.

[4]

6. Study Fig. 3 which shows a volcano.

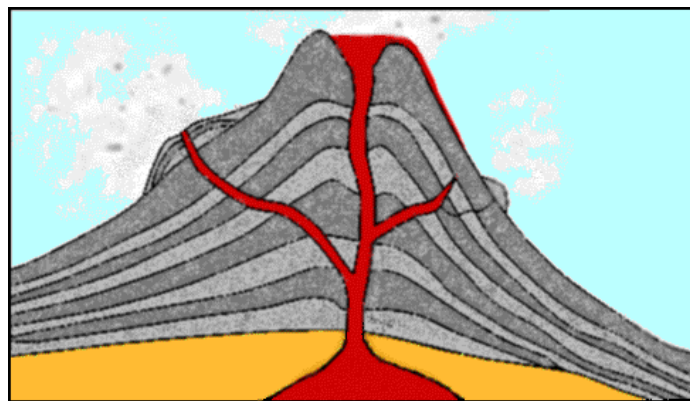


Fig. 3

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Identify the type of volcano shown in Fig. 3 and describe its structure.

[4]

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7. Fig. 4 shows Erta Ale, one of the most active basalt shield volcano in the Afar Region of Northeastern Ethiopia.



Fig. 4

- (i) Draw a labelled diagram showing the internal structure of Erta Ale and annotate on the diagram the characteristics of a shield volcano. [4]

- (ii) Describe the risks and benefits of living near volcanoes. [4]

8. Fig. 5 shows the global land temperature readings and named volcanic eruptions between 1750 to 2000.

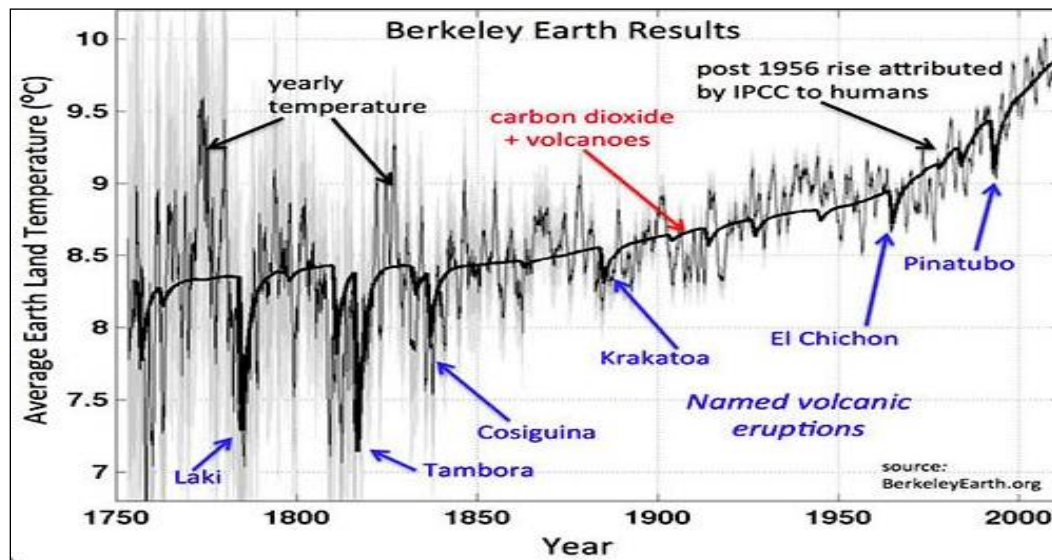


Fig. 5

Discuss the impact of volcanic eruptions and other human activities on global climate change.

[5]

[illegible]

10. Study Figs. 7a and 7b, which shows the scope of ash from the eruption of Eyjafjallajökull in Iceland in 2010.



Fig. 7a

- (i) Refer to Fig. 7a and describe the extent of the Iceland volcano ash cloud. [2]

- (ii) Study Fig. 7b, which shows the impact of the eruption of Eyjafjallajökull in Iceland in 2010. Use Fig. 7b to describe the impacts of the volcanic eruptions. [5]

Impacts of the Eyjafjallajökull eruption in Iceland in 2010

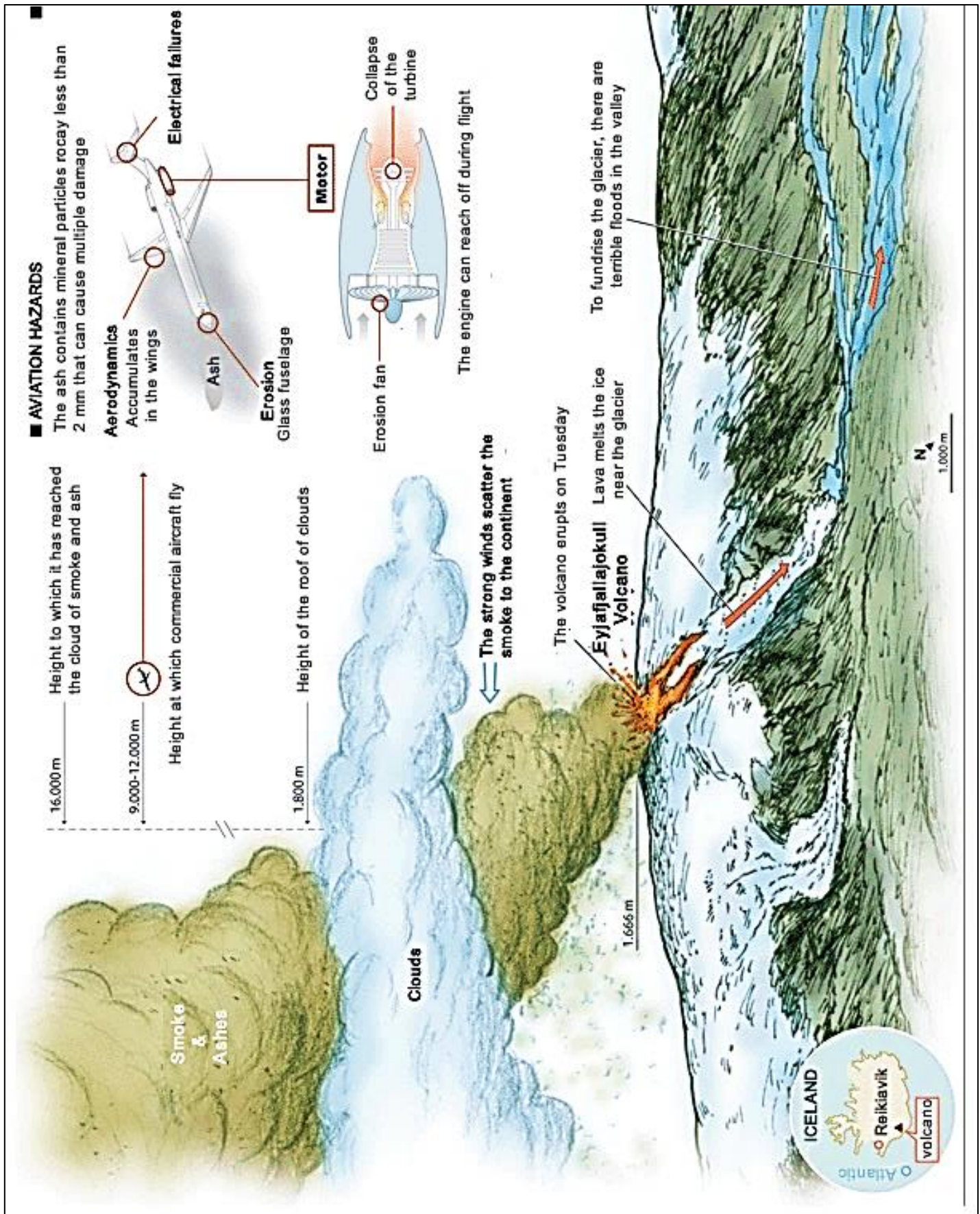


Fig. 7b