Geology 12 - Volcanic Hazards and Features

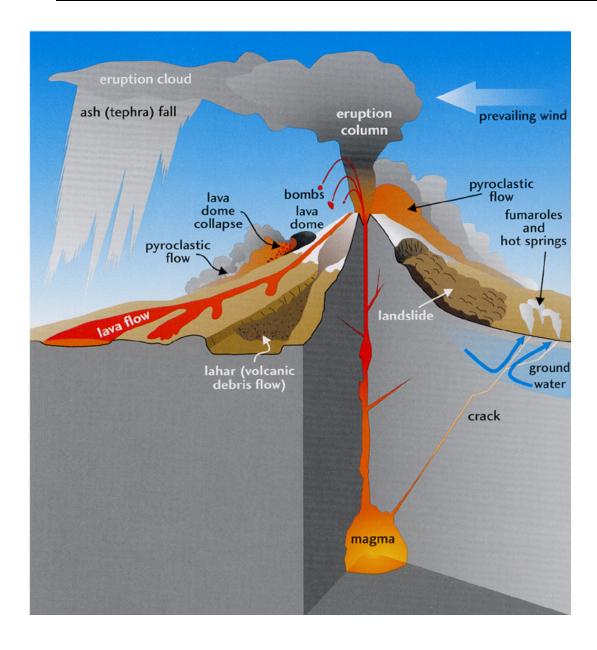
Part I – Active volcanoes

1. Composite Volcanoes (Hazards)

Label the diagram below and briefly describe the following volcanic hazards common to strato-volcanoes:

a.	Pyroclastic flow _	
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- b. Lahar_____
- c. Ash (Tephra) fall
- d. Volcanic bombs
- e. Lava flow _____



	a. Compare "tuff" and volcanic breccia			
	b. Describe Calderas - What and how they are forme	d		
3.	Shield volcanoes – Lava and Hazards			
	a. How does pahoehoe lava differ from A'a lava (inc	lude silica content to explain their differences)?		
	b. What happens when pahoehoe is extruded under the	ne sea? Include a sketch		
4.	Fissure Eruptions			
	a. What is a fissure eruption and how are floods, or partial a significant impact on the history of life on earth	plateau basalts formed? These MASSIVE deposits have had		
	b. Explain columnar jointing (their shape, their origin). Use a sketch			
Part II	I - Ancient Landscapes - Volcanic Features			
1.	What are intrusions?			
2.	What are inclusions?			
3.	Label the following: a. On the Active volcanism side: i. Type of volcanoes, ii. magma chamber, iii. types of magma, iv. recent lava flows –plateau basalts (from a fissure eruption).	b. On the Ancient Volcanic features side: i. pluton, ii. batholith, iii. sike, iv. sill, v. Laccoliths, vi. stock with radiating dikes		

2. Rocks that form from pyro clasts.

