

On Location 1: In The Fljótshlíð Valley

TASK 1:

The picture below is of the active Eyjafjallajökull on April 17th, 2010. The view is from close to Goðaland in the Fljótshlíð Valley (you will EITHER need a compass for the first 2 questions OR refer to the map on the last page).

(a) In what compass direction was the photographer facing when the photograph was taken?

(b) In what compass direction was the wind blowing from when the photograph was taken?

(c) In terms of geo hazard, why is wind direction so crucial during such an event?



Figure 3

(d) Add arrows to the photograph above to label the 1,666m summit of Eyjafjallajökull; a steam cloud, a tephra cloud and an ash cloud.

(e) Using the height of Eyjafjallajökull as a guide, estimate the height to which the ash cloud and the steam cloud rose.

Ash cloud rose to: _____ m (_____ kms); Steam cloud rose to _____ m (_____ kms)

(f) Look around you now (turn through 360°). Write down all the ways in which people, property, livelihoods, features could have been affected had the wind been blowing towards the area where you are now standing.
