

**VICTORIA JUNIOR COLLEGE  
PRELIMINARY EXAMINATION**

**GEOGRAPHY Higher 2**

**9730/1**

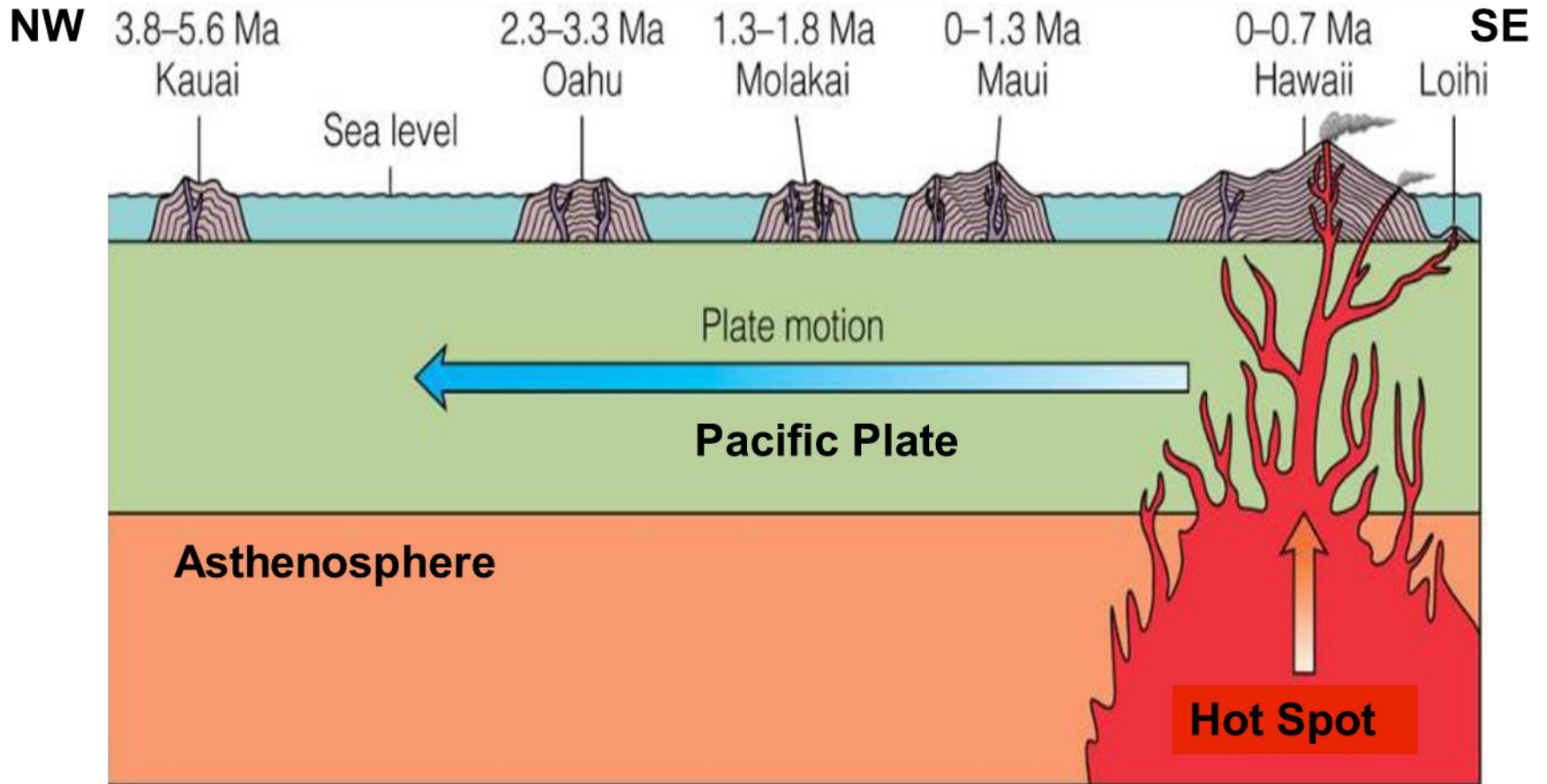
**INSERT**

**Monday 14<sup>th</sup> September 2015**

**3 hours**

Fig. 1 for Question 1

## Formation of volcanic islands due to hot spot activity



\*Ma – million years ago

Fig. 2 for Question 2

Rainfall distribution in Australia from 1 April 1997 to 31 March 1998

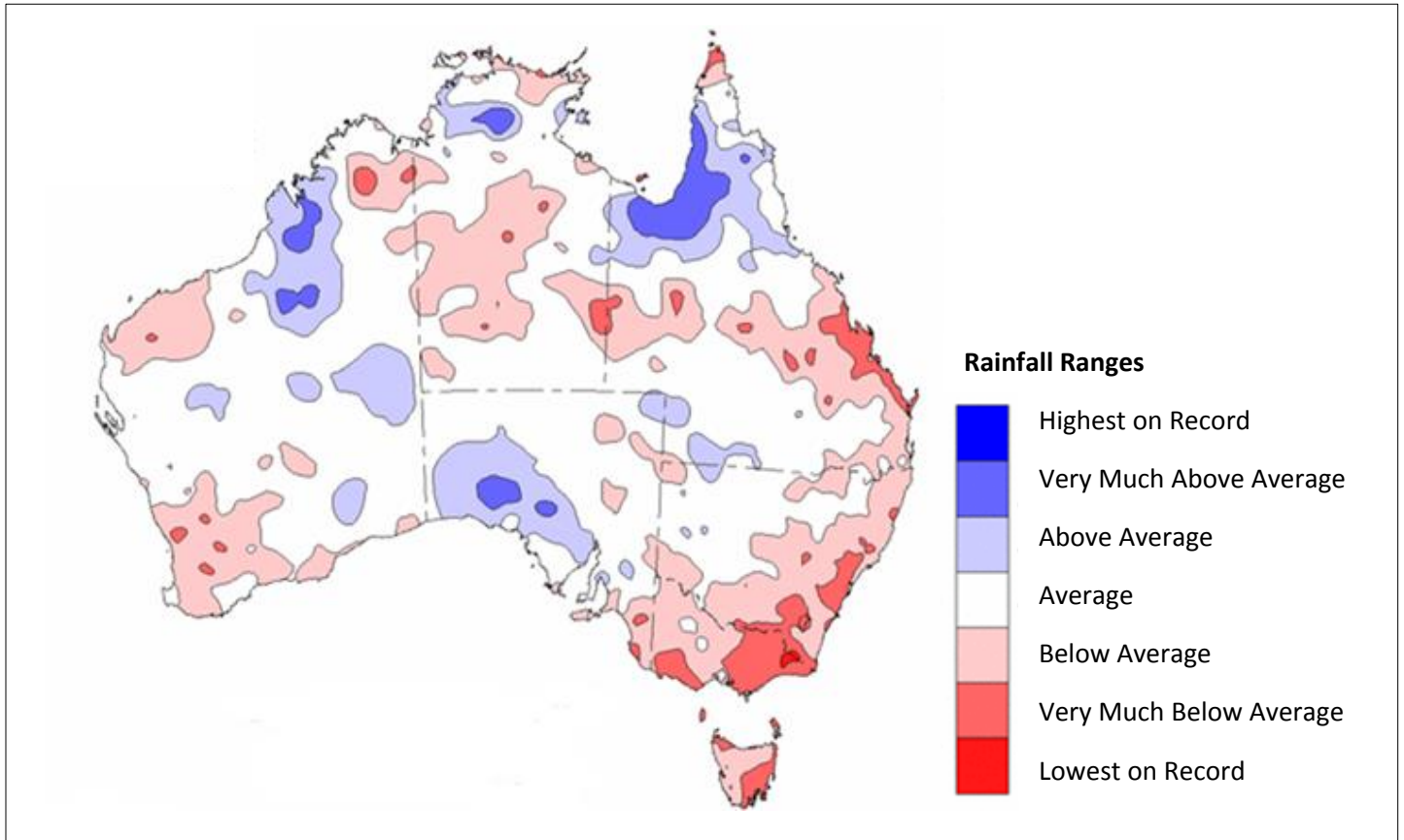


Fig. 3 for Question 3

Manning's Equation

$$V = \frac{R^{2/3} S^{1/2}}{n}$$

V is average velocity

R = hydraulic radius

S = channel slope

n = Manning's roughness coefficient



**Photograph A for Question 4**  
**River valley in an alpine region**

