

**VICTORIA JUNIOR COLLEGE
PRELIMINARY EXAMINATION**

GEOGRAPHY Higher 2

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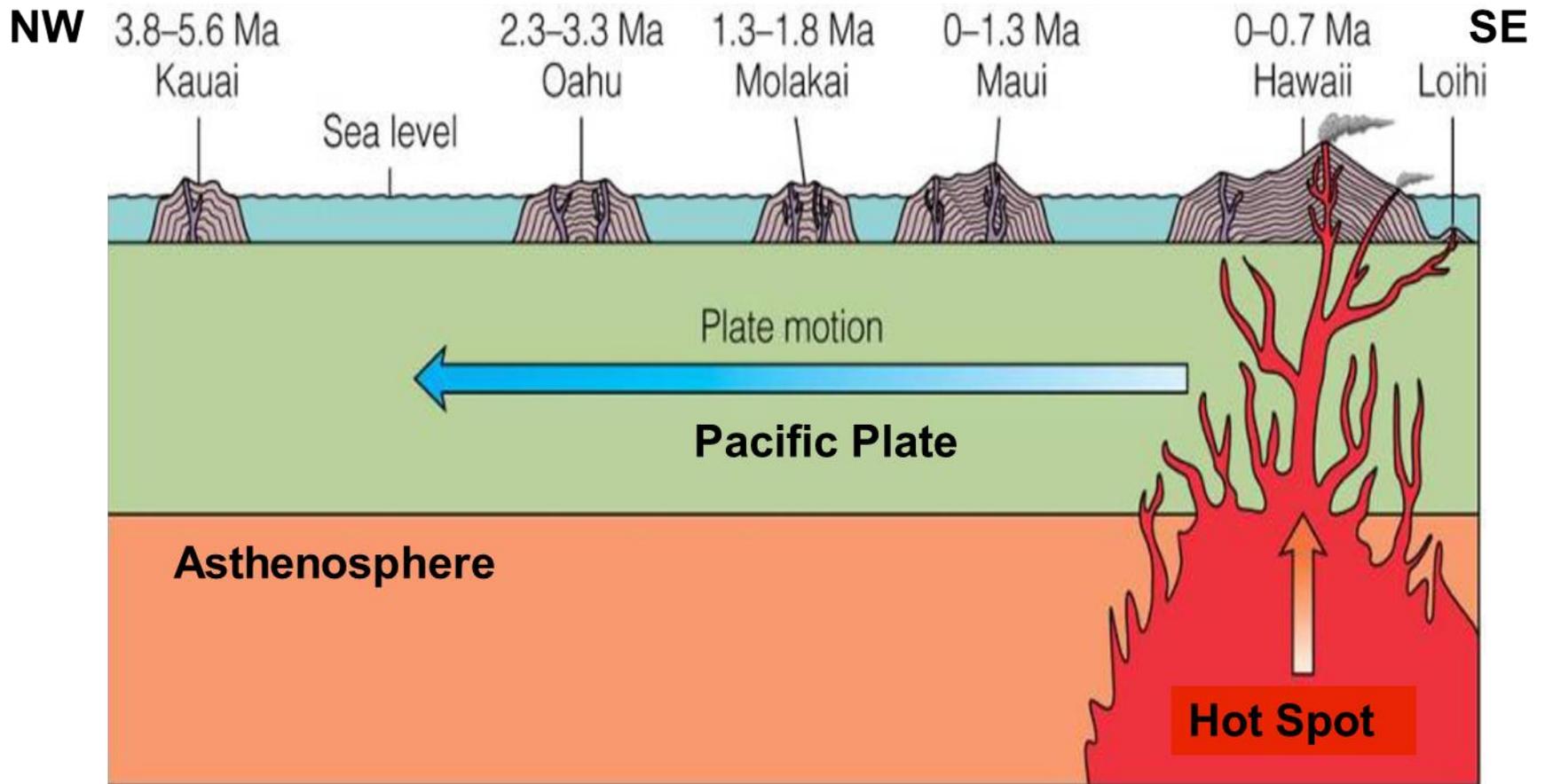
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Monday 14th September 2015

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

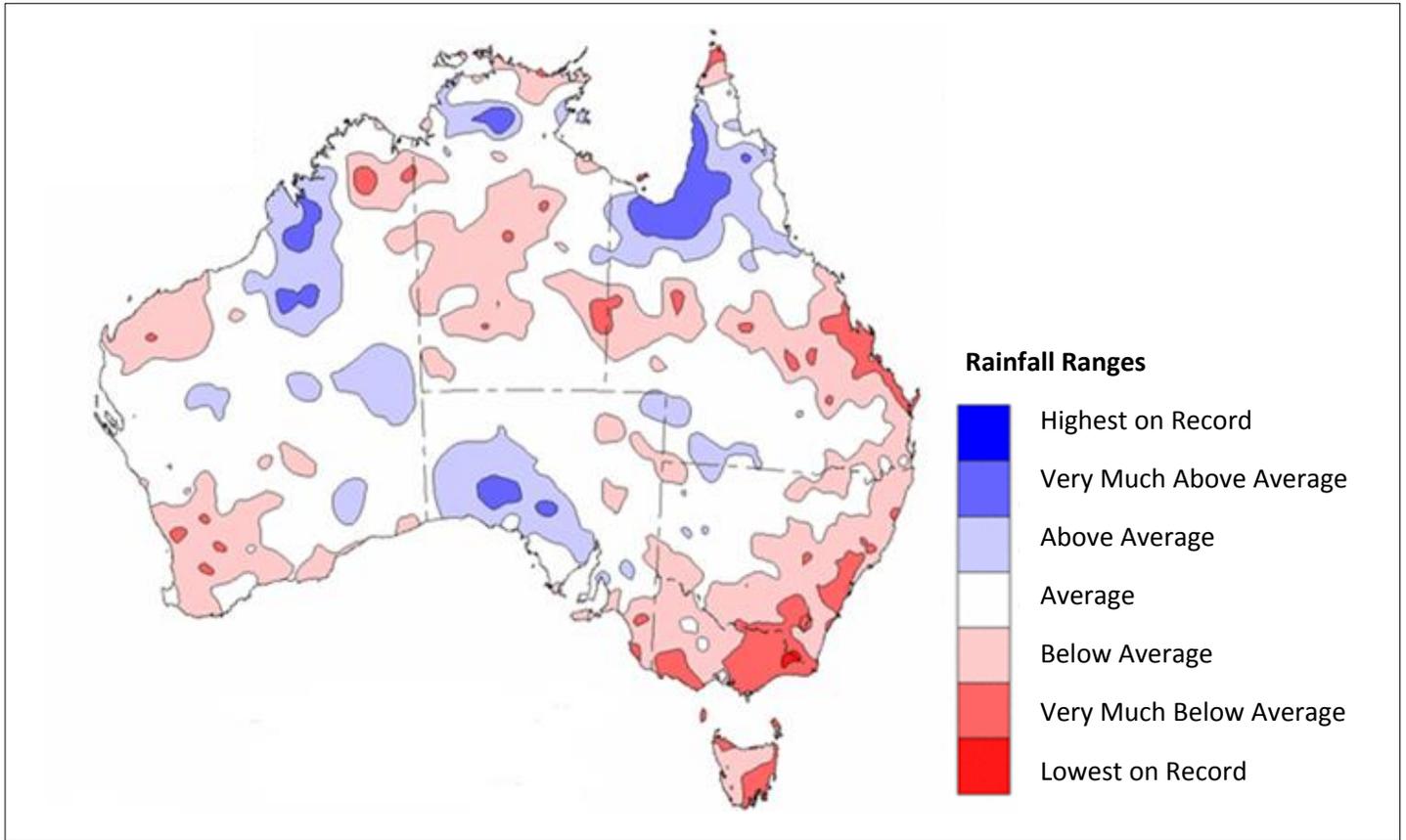


Fig. 3 for Question 3

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

