



HWA CHONG INSTITUTION
JC2 Preliminary Examinations
Higher 2

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GEOGRAPHY

9730/01

Paper 1 Physical Geography

31 August 2015

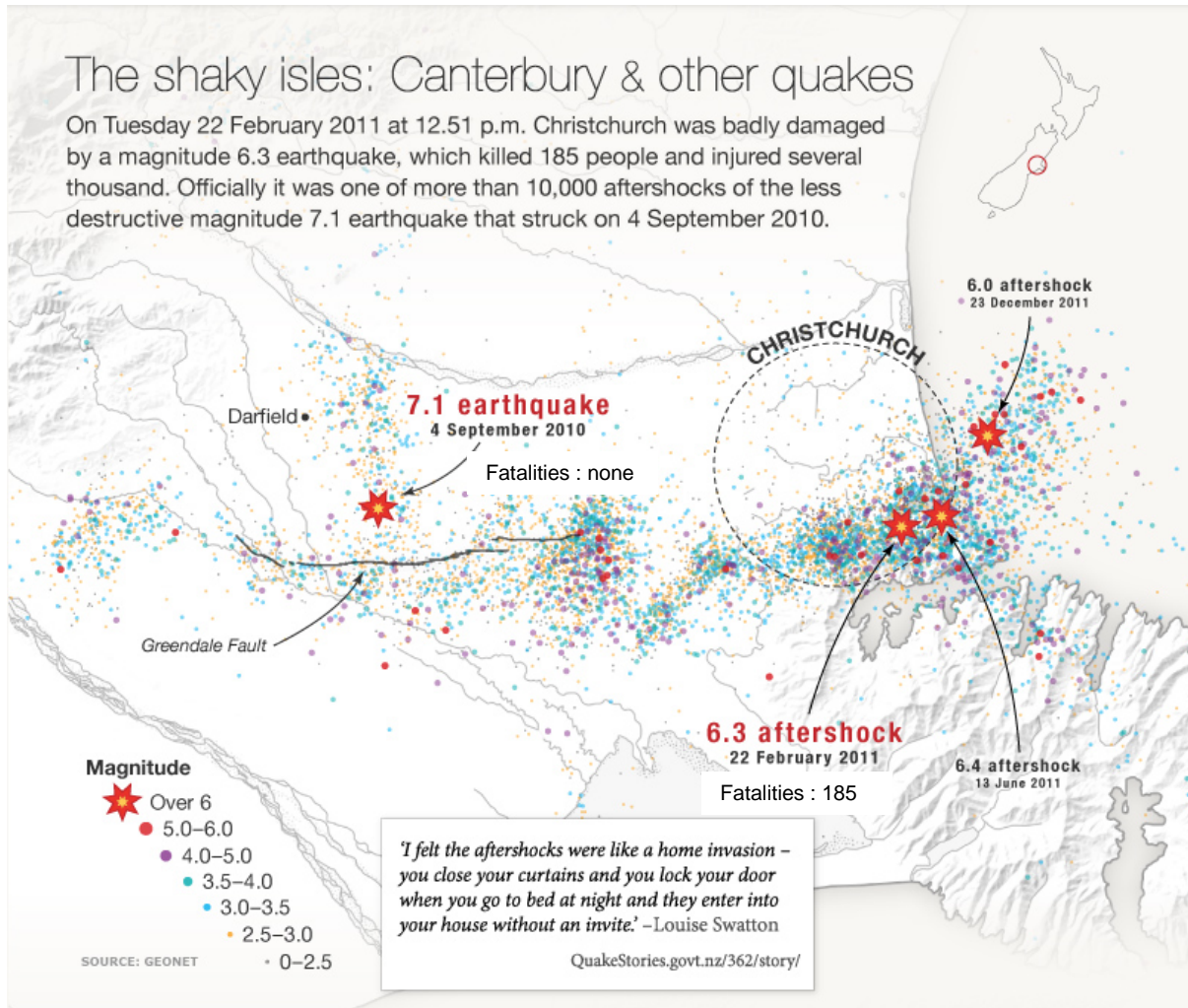
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3 hours

READ THESE INSTRUCTIONS FIRST

This Insert contains all the figures referred to in the questions.

Fig. 1A for Question 1
The 2010-2011 earthquakes in New Zealand



Source : <http://www.mch.govt.nz/perspectives/earthquakes/>

Fig. 1B for Question 1
Plate boundary in New Zealand and location of Christchurch

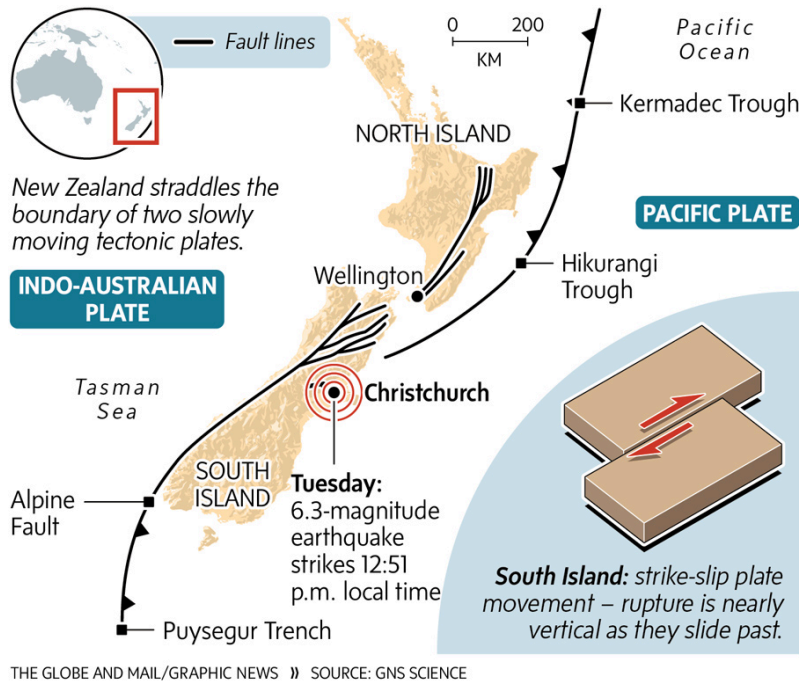
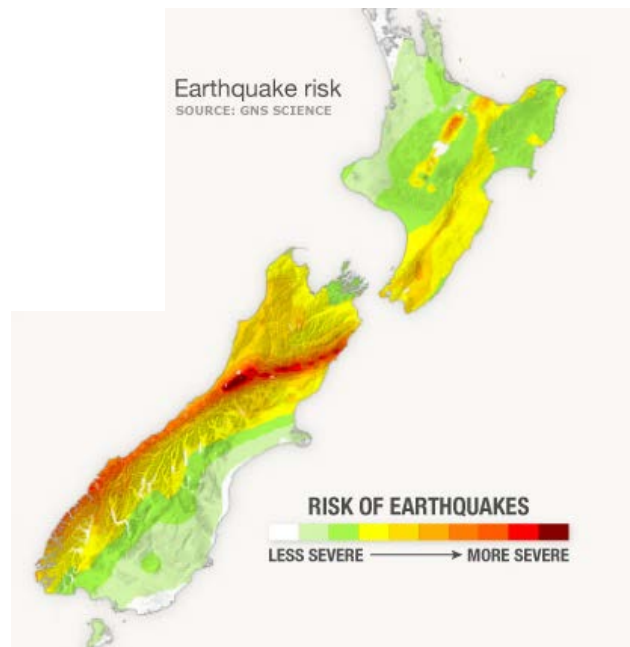
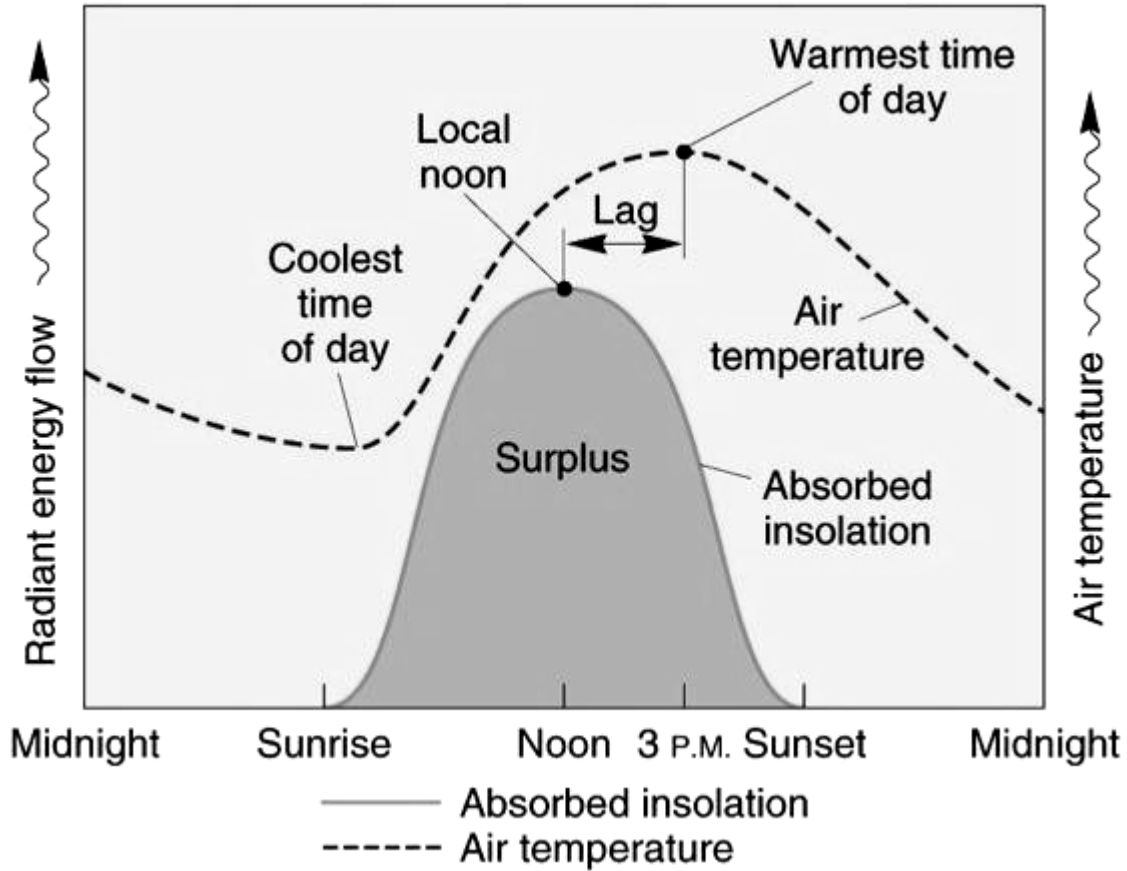


Fig. 1C for Question 1
Maps showing active faults and earthquake risk in New Zealand



Source : <http://www.mch.govt.nz/perspectives/earthquakes/>

Fig. 2 for Question 2
Variations and temperature and insolation levels in one day



Source : www.studyblue.com

Fig. 3A for Question 3
Relationship between channel slope and bankfull discharge

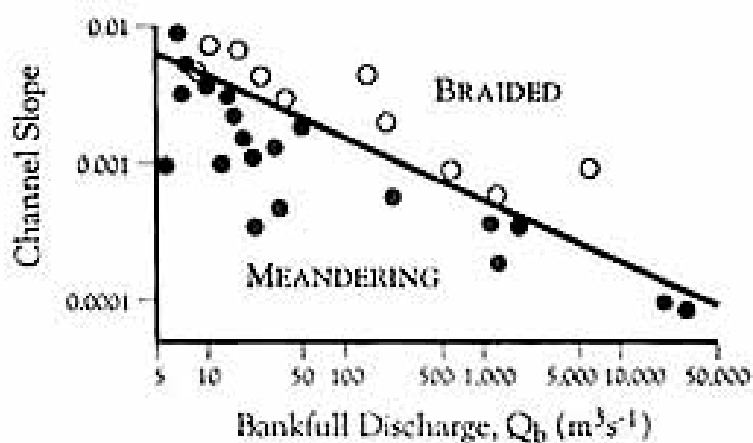
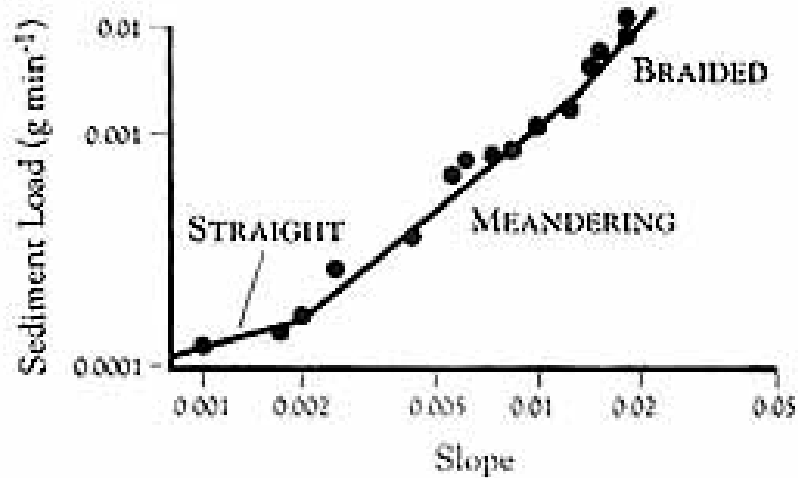


Fig. 3B for Question 3
Relationship between sediment load and slope



Source : www.ucpress.edu

Fig. 4 for Question 4
Heavily silted river in Sabah, East Malaysia

Sabah river chokes on mudflow



Workers clearing the silt after heavy mudflow into a water intake point in Sabah's Sungai Liwagu forced it to shut down. Heavy mudflows from Mount Kinabalu continue to torment villagers, two months after an earthquake that killed 18 people on 5th June 2015. The mudflows, responsible for flash floods and mudslides, are also choking rivers in the Malaysian state.