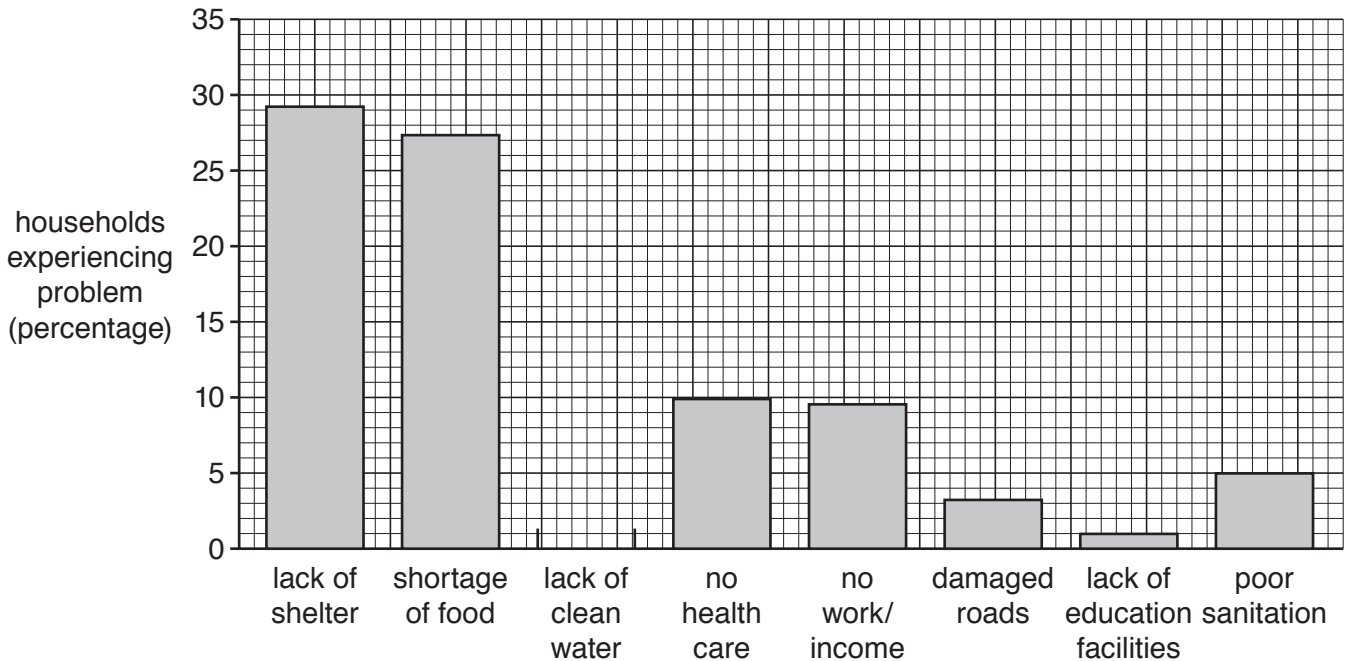**Section B**

Answer **one** question from this section.

3 **(a)** Study Fig. 3.1, which shows information about the problems faced by households after an earthquake in Port-au-Prince, Haiti.

Fig. 3.1

(i) **Complete Fig. 3.1** by plotting the following information:

13% of households were affected by lack of clean water after the earthquake. [1]

(ii) Identify the **two** main problems caused by the earthquake in Haiti.

1 ....

2 .... [2]

(iii) Explain why it is necessary to provide clean water and sanitation after an earthquake.

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.... [3]

(iv) Explain how new buildings can be earthquake-proofed, so that they are less likely to be damaged in an earthquake.

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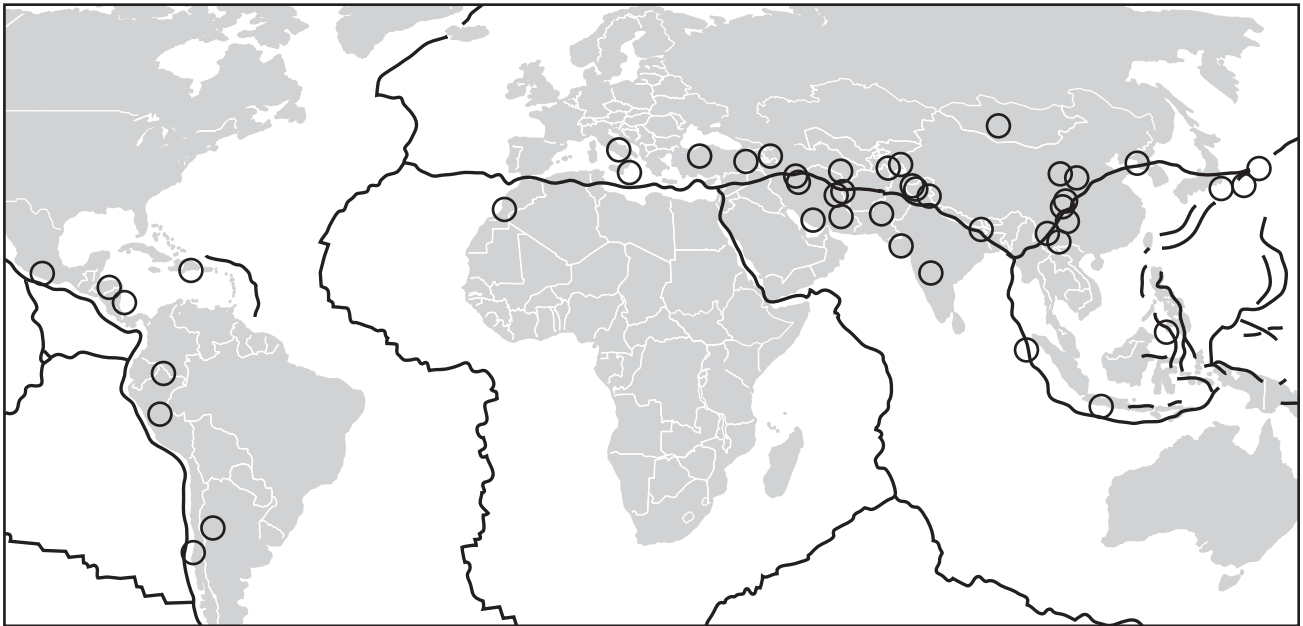.. [4]

(b) Study Fig. 3.2, which is a map showing information about earthquakes which caused more than 10 000 deaths in different parts of the world (1900-2011).

Key

○ earthquakes which caused more than 10 000 deaths

⌇ major plate boundary

Fig. 3.2

(i) The distribution of earthquakes is uneven. Describe the distribution of the areas where earthquakes caused more than 10 000 deaths between 1900 and 2011.

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(ii) Explain why the distribution of the areas where large numbers of deaths have been caused by earthquakes is uneven.

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.... [5]

(c) Volcanic eruptions are another tectonic hazard.
For a named volcano you have studied, explain the causes of a **volcanic eruption**.

Name of volcano ....

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