Chapter 11: Energy and water

QUESTION 1: Cambridge IGCSE Geography 0460/01 Q6 June 2005

(a) Study Fig. 9 which shows how water is used in different countries.

![Fig. 9](image)

(i) What is meant by *domestic* use of water? [1]

(ii) Name the countries listed on Fig. 9 which use the largest proportion of water for:

   A  industry,

   B  agriculture. [2]

(iii) Use the information in Fig. 9 to compare the use of water in developed and developing countries. [3]

(iv) Suggest reasons for the variation in the use of water between developed and developing countries. [4]
(b) Study Fig. 10 which shows areas of the world which have more water than they need (a surplus) and those where there is a shortage.

**Fig. 10**

(i) Describe the distribution of areas where there is a shortage of water. [3]

(ii) Suggest reasons why some areas have a shortage of water whereas others have a surplus. [5]

(c) Water resources need careful management.

The following methods can be used to obtain a reliable supply of water:

- large-scale dam building,
- desalination plants,
- boreholes/wells,
- cloud seeding.

Describe the advantages and disadvantages of one of these methods.

You may refer to an example which you have studied. [7]

[Total: 25 marks]
QUESTION 2: Cambridge IGCSE Geography 0460/02 Q5 June 2006

Table 1, Fig. 7 and Fig. 8 give information about world coal and oil reserves.

(a) Complete Table 1 by giving the percentage of coal reserves for Latin America. [1]

<table>
<thead>
<tr>
<th>Area</th>
<th>Amount (billions of tonnes)</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asia &amp; Australasia</td>
<td>337.2</td>
<td>32</td>
</tr>
<tr>
<td>Africa</td>
<td>62.3</td>
<td>6</td>
</tr>
<tr>
<td>Latin America</td>
<td>11.4</td>
<td></td>
</tr>
<tr>
<td>Europe &amp; Russia</td>
<td>379.1</td>
<td>37</td>
</tr>
<tr>
<td>North America</td>
<td>249.2</td>
<td>24</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1039.2</strong></td>
<td><strong>100</strong></td>
</tr>
</tbody>
</table>

Table 1

(b) Use the information in Table 1 to complete Fig. 7 for world coal reserves. Use the key provided. [1]
(c) Use the information in Table 1 to complete Fig. 8 by completing the bar graphs for coal reserves for North America and Europe & Russia.

![World coal reserves (billions of tonnes)](image)

Fig. 8

(d) Complete the following paragraph by writing in the spaces. Over half of the world’s oil reserves are found in ............................ .

The world’s coal reserves are found mostly in three of the five areas which are: Asia and Australasia; Europe and Russia; and ............................ .

The continent with less than 10% of the world reserves of both oil and coal is ............................ . Oil and coal are non-renewable energy resources. They also have the disadvantage that burning them causes atmospheric pollution and ............................ . Countries are developing the use of renewable energy resources such as ............................ .

[Total: 8 marks]