

Task 1:

a. Are these four statements true or false, circle the correct answer.

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|--|--------------|
| 1. A resource is anything that is useful to people. | True / False |
| 2. Resources include energy, food and fuel. | True / False |
| 3. A renewable resource can be used again and again. | True / False |
| 4. Solar power is a non-renewable resource. | True / False |

[4 marks]

b. What is sustainability?

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[2 marks]

Task 2:

a. Study Figure 1, which shows the results of illegal logging in a national park in Madagascar in 2005.

Figure 1



b. Using figure 1, suggest how illegal logging is poor management of resources.

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[2 marks]

Teacher notes:

This question is designed as a ten minute lesson starter or revision topic test.

The use of photographs as a stimulus has always been the case in GCSE geography but in recent years there has been more sophistication in questions requiring their use.

There is often a tendency for candidates to ignore the precise wording of questions using photographs, and focus on a single word in the question, e.g. logging. They then write any and everything they know about logging rather than answering using the source, and referring to it specifically in their answer. Their mantra needs to be - ‘Say what you see’ - demonstrating specific use of the photograph in their answer.

Suggested answers:

Task 1a.

- | | |
|--|-------|
| 1. A resource is anything that is useful to people. | True |
| 2. Resources include energy, food and fuel. | True |
| 3. A renewable resource can be used again and again. | True |
| 4. Solar power is a non-renewable resource. | False |

Task 1b.

There is no universally agreed definition on what sustainability means and different textbooks and webpages approach in a variety of ways. In short, sustainability is avoiding the overuse of a resource (1) so as to keep an ecological balance (1), i.e. by not harming the environment (1) and/by not depleting natural resources (1).

Task 2b.

Say what you see and refer to the photo!

In the photograph I can see a large stockpile of logs on the edge of the forest. The logs are being prepared/sawn by a chainsaw. These logs are the result of illegal logging in Madagascar. Illegal logging is poor management of natural resources because it is an unsustainable use of a natural resource as more trees are being cut down than are being replanted or regenerated. Illegal logging usually causes environmental damage and can cause deforestation, soil erosion, landslides, loss of soil fertility and flooding.

Extension exercises:

- 1 The photograph dates from 2005. Students could be asked: ‘What is their suggestion as to the current state of illegal logging in Madagascar?’ Has the rate increased / decreased / stayed the same? Why?

Wikipedia has a very detailed article on illegal logging in Madagascar at:

en.wikipedia.org/wiki/Illegal_logging_in_Madagascar.

A shorter and broader and more student accessible version is available at:

en.wikipedia.org/wiki/Deforestation_in_Madagascar.

- 2 A possible four mark question, i.e. with 1-2 marks for L1 basic answers and 3-4 marks for L2 clear answers would be to ask: ‘What are the environmental effects of illegal logging?’

Photo source:

Erik Patel, 2005,

en.wikipedia.org/wiki/Illegal_logging_in_Madagascar#/media/File:Illegal_export_of_rosewood_01.jpg