



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS  
International General Certificate of Secondary Education

CANDIDATE  
NAME

CENTRE  
NUMBER

--	--	--	--	--

CANDIDATE  
NUMBER

--	--	--	--



**GLOBAL PERSPECTIVES**

**0457/31**

Paper 3

**May/June 2013**

**1 hour 15 minutes**

Candidates answer on the Question Paper.

No Additional Materials are required.

**READ THESE INSTRUCTIONS FIRST**

Write your Centre number, candidate number and name in the boxes above.

Write in dark blue or black pen.

Do not use staples, paper clips, highlighters, glue or correction fluid.

DO **NOT** WRITE IN ANY BARCODES.

Answer **all** questions in the spaces provided.

Any rough working should be done in this booklet.

At the end of the examination, fasten all your work securely together.

The number of marks is given in brackets [ ] at the end of each question or part question.

**For Examiner's Use**

1	
2	
3	
4	
<b>Total</b>	

This document consists of **7** printed pages, **1** blank page and **1** Insert.



Study Source 1 in the accompanying Resource Booklet and answer **all** of Questions 1 – 4.

1 (a) Give **one** use of rare earth metals.

..... [1]

(b) Give **one** cause of the global shortage of rare earth metals.

..... [1]

(c) Give **two** consequences of the global shortage of rare earth metals.

.....  
..... [2]

(d) Which consequence of the global shortage of rare earth metals do you think is most important? Justify your answer.

.....  
.....  
.....  
.....  
.....  
..... [3]

(e) To what extent is the supply of rare earth metals a global problem? Justify your answer.

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
..... [5]

- 2 (a) Study *DKP\_Narayan's* online response. What additional information do you need to be sure that the people in Greenland would definitely benefit from the introduction of modern industries and ways of life?

.....  
.....  
..... [2]

- (b) A foreign mining company proposes to transport rocks containing rare earth metals to your country and process them in your country to make usable rare earth metals.

You must decide whether to support this proposal or not. What information do you need to help you make your decision and how will it help you to decide?

Information .....

.....  
.....  
.....  
.....

How it will help me to decide .....

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
..... [10]

- 3 (a) Under the heading, 'What is the problem?' the author writes, 'So the world needs more sources of rare earth metals. Or we'll have to do without our MP3 players and phones.'

How reasonable is this part of the argument? Justify your answer.

.....

.....

.....

..... [3]

- (b) Under the heading, 'So, no problem then?' the author writes, 'But without rare earth metals, **our** way of life will be threatened, so we need more rare earth metal mines in more countries.'

How acceptable is it to see our way of life as more important than other people's ways of life? Justify your answer.

.....

.....

.....

..... [3]

- (c) *green\_crusader* says, 'Recycling all the old gadgets we have piling up in our homes might solve the problem.'

How likely is it that recycling will solve the problem of rare earth metals?

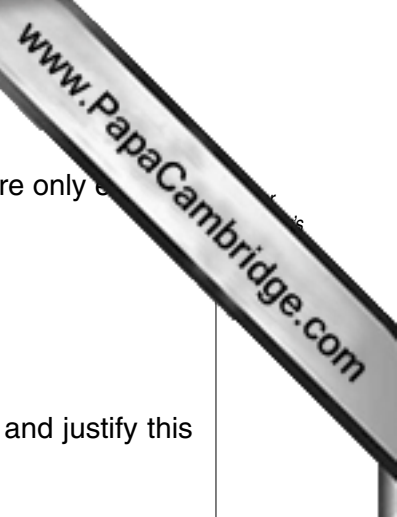
.....

.....

.....

..... [3]





4 It is 2020 and the shortage of rare earth metals has become a crisis. There are only a few rare earth metals for **one** of the following uses.

- Gadgets
- Medical technology
- Defence technology

You must decide which **one** of these uses of rare earth metals can continue and justify this decision.

In your answer you should:

- state your decision;
- give reasons for your decision;
- give reasons why you did not choose the other uses;
- use relevant examples to support your views;
- show that you have considered different personal, national and global perspectives.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

[18]

---

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (UCLES) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

University of Cambridge International Examinations is part of the Cambridge Assessment Group. Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.