

Cambridge  
International  
AS & A Level

**Cambridge International Examinations**  
Cambridge International Advanced Subsidiary and Advanced Level

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**GEOGRAPHY**

**9696/23**

Paper 2 Advanced Physical Options

**October/November 2015**

INSERT

**1 hour 30 minutes**

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**READ THESE INSTRUCTIONS FIRST**

This Insert contains all the Figures and the Photographs referred to in the questions.



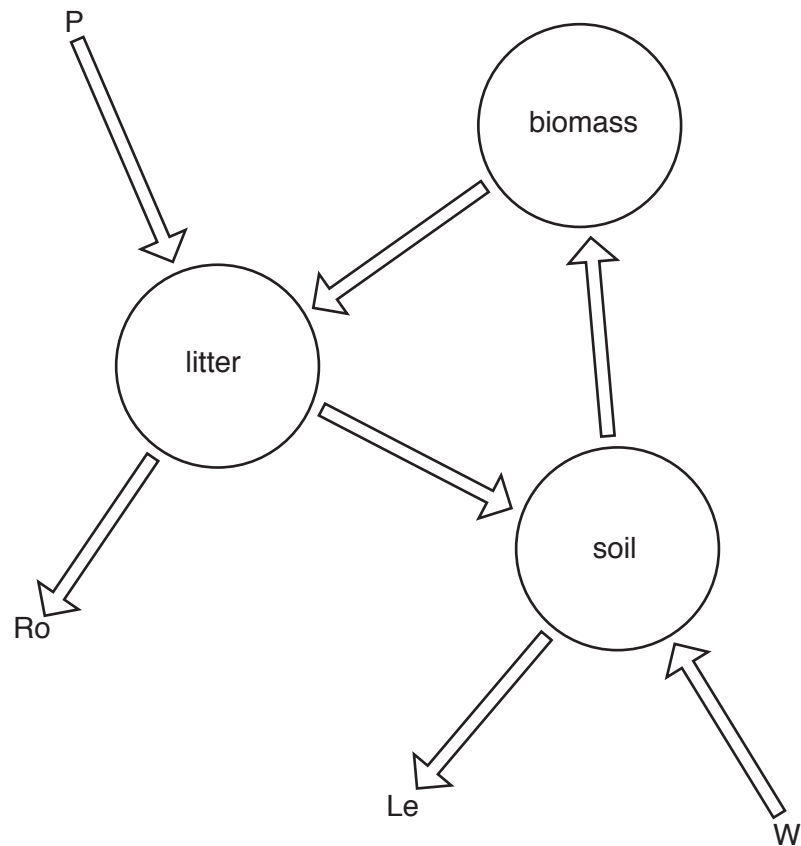
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This document consists of **5** printed pages and **3** blank pages.

2

Fig. 1 for Question 1

## A model of nutrient cycling in an ecosystem

**Key**

- Stores
- ➡ Nutrient flows
- P Precipitation
- Ro Run off
- Le Leaching
- W Weathering

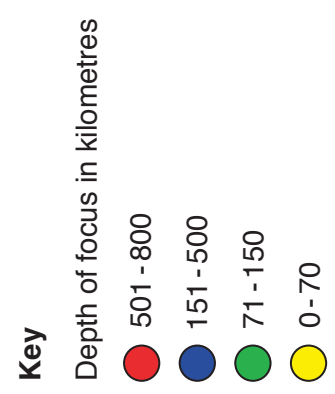
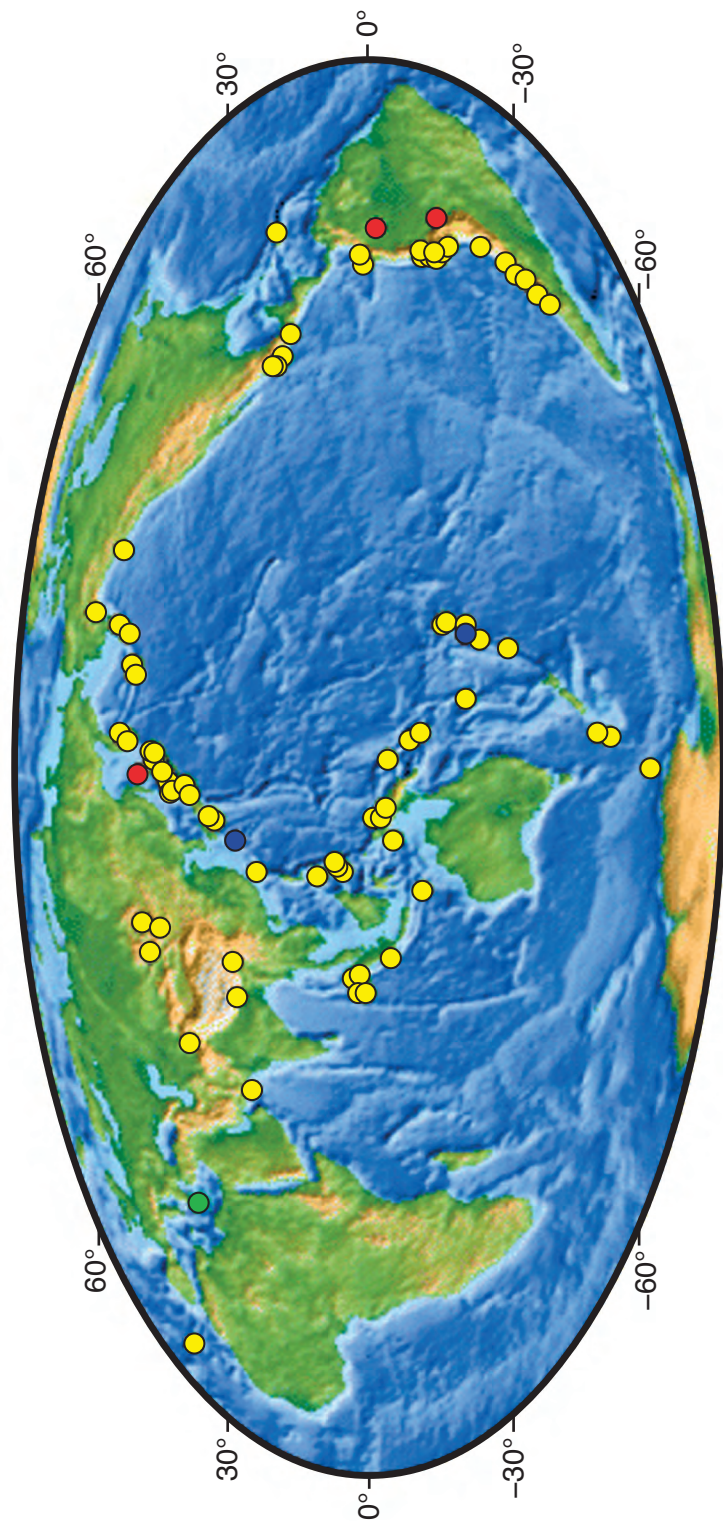
Stores and flows not to scale.

Fig. 2 for Question 3

## Factors and processes affecting the development of coastal landforms

FACTORS	PROCESSES
<b>Rock type</b> (lithology) e.g. granite basalt sandstones limestones clays	<b>Marine</b> <ul style="list-style-type: none"> <li>i. erosion (hydraulic action, quarrying, abrasion)</li> <li>ii. transport</li> <li>iii. deposition</li> </ul>
<b>Rock structure</b> <ul style="list-style-type: none"> <li>i. bedding planes</li> <li>ii. folding and dip</li> <li>iii. faulting and jointing</li> </ul>	<b>Sub-aerial</b> <ul style="list-style-type: none"> <li>i. weathering</li> <li>ii. mass movement</li> <li>iii. erosion</li> </ul>
<b>Climate</b>	<b>Human activities</b>

Fig. 3 for Question 6  
The global distribution of earthquakes of magnitude 8 or greater since 1900



**Photograph A for Question 8**

**Some impacts of desertification in a semi-arid environment**



**Photograph B for Question 8**

**Some impacts of desertification in a semi-arid environment**



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