

## **GCSE Physics B (Twenty First Century Science)**

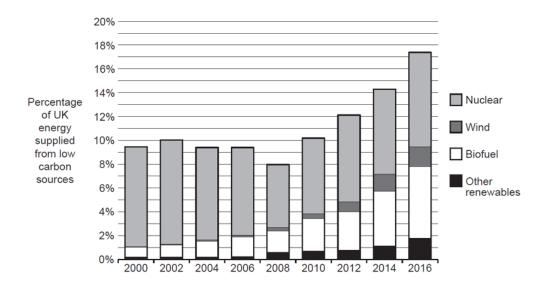
J259/01 Breadth in Physics (Foundation Tier)

**Question Set 39** 

A low-carbon source causes very little carbon dioxide to be given off into the atmosphere.

Some of the energy supplied to the UK comes from low carbon sources.

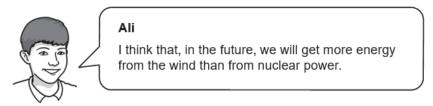
**Fig. 1.1** shows how the percentage of UK energy supplied from low carbon sources has changed over time.



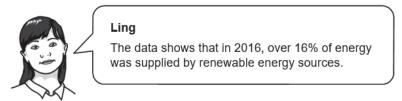
- (a) (i) Describe the trend in the percentage of UK energy supplied by biofuels.

  It has increased
  - (ii) Suggest one reason for this trend.

    Use of biofuels has been encouraged by the government
- (b) Ali and Ling discuss the trends shown in the data.



(i) Evaluate whether the evidence shown in Fig. 1.1 supports Ali's statement [2] Yes as energy from wind is increasing whereas energy from nuclear is constant



(ii) State why Ling is incorrect.

Nuclear is not renewable

[1]

Percentage =	4.5	. %	[1]

(iii) Using Fig. 1.1, estimate the correct percentage of energy that was supplied

**Total Marks for Question Set 39: 6** 

by renewable energy sources in 2016.



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