



**A-level  
ENVIRONMENTAL SCIENCE**

**Paper 1**

**7447/1**

**Insert**

**[Turn over]**

**FIGURE 1**

**Electricity generated / %**

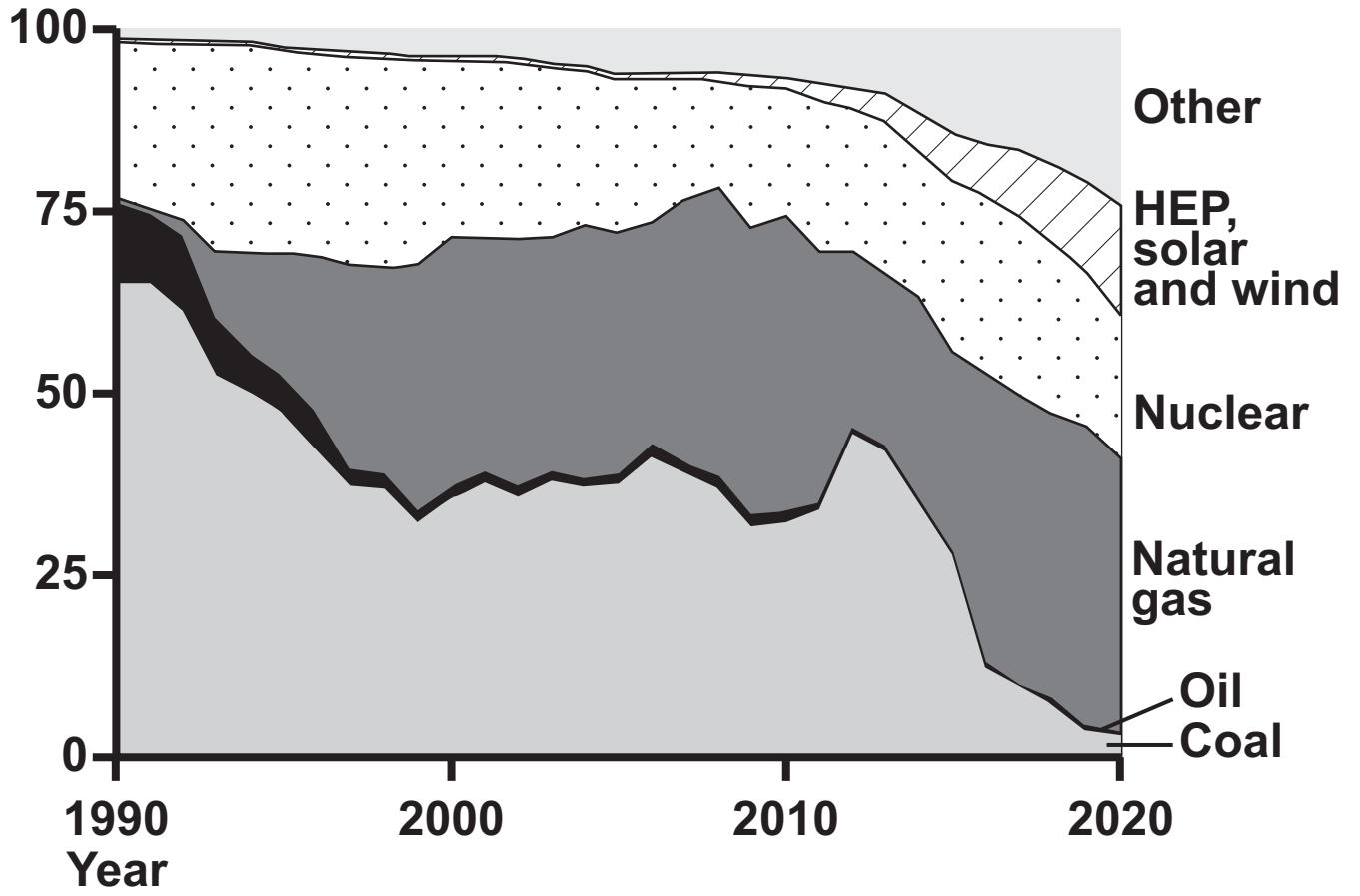
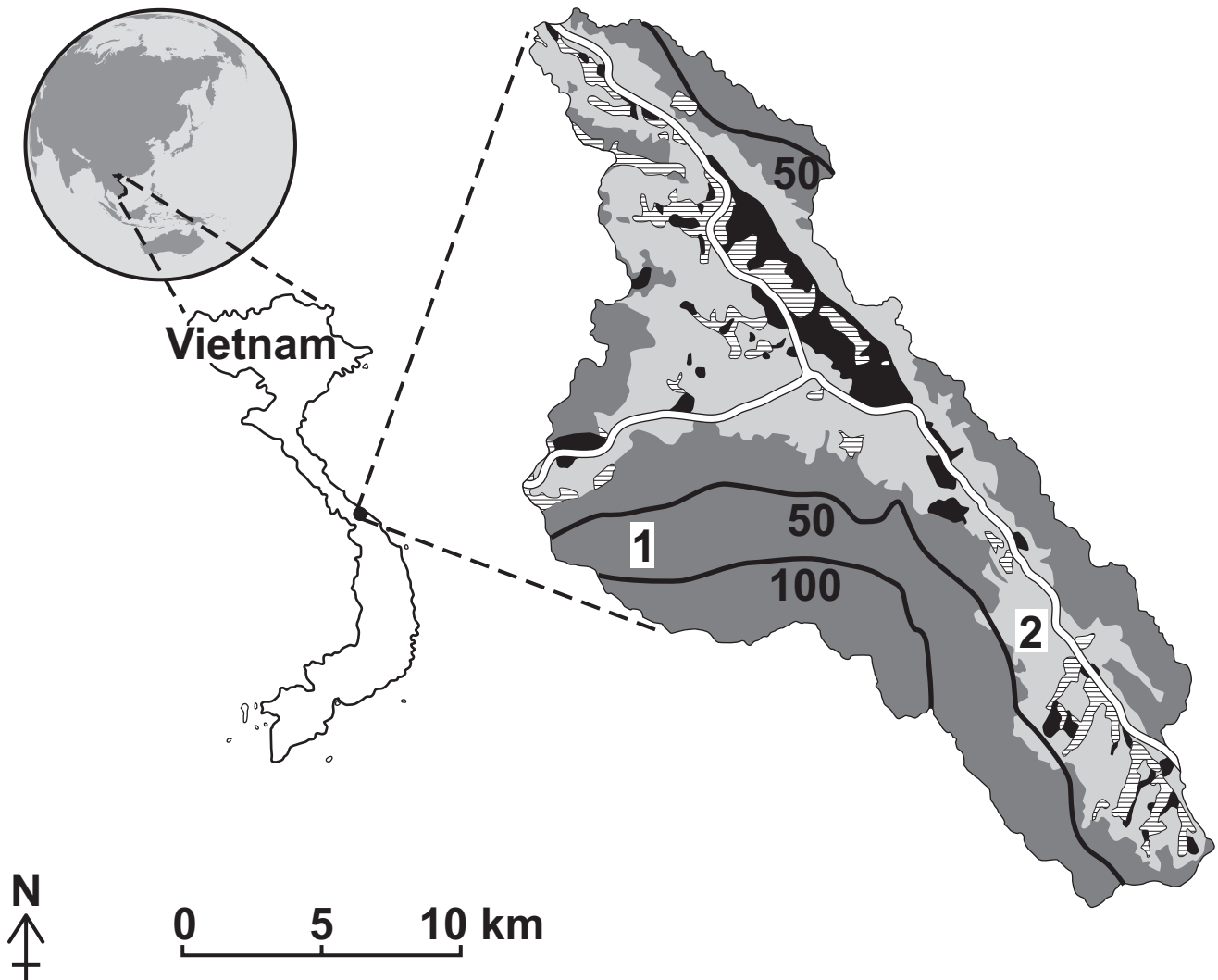


FIGURE 2

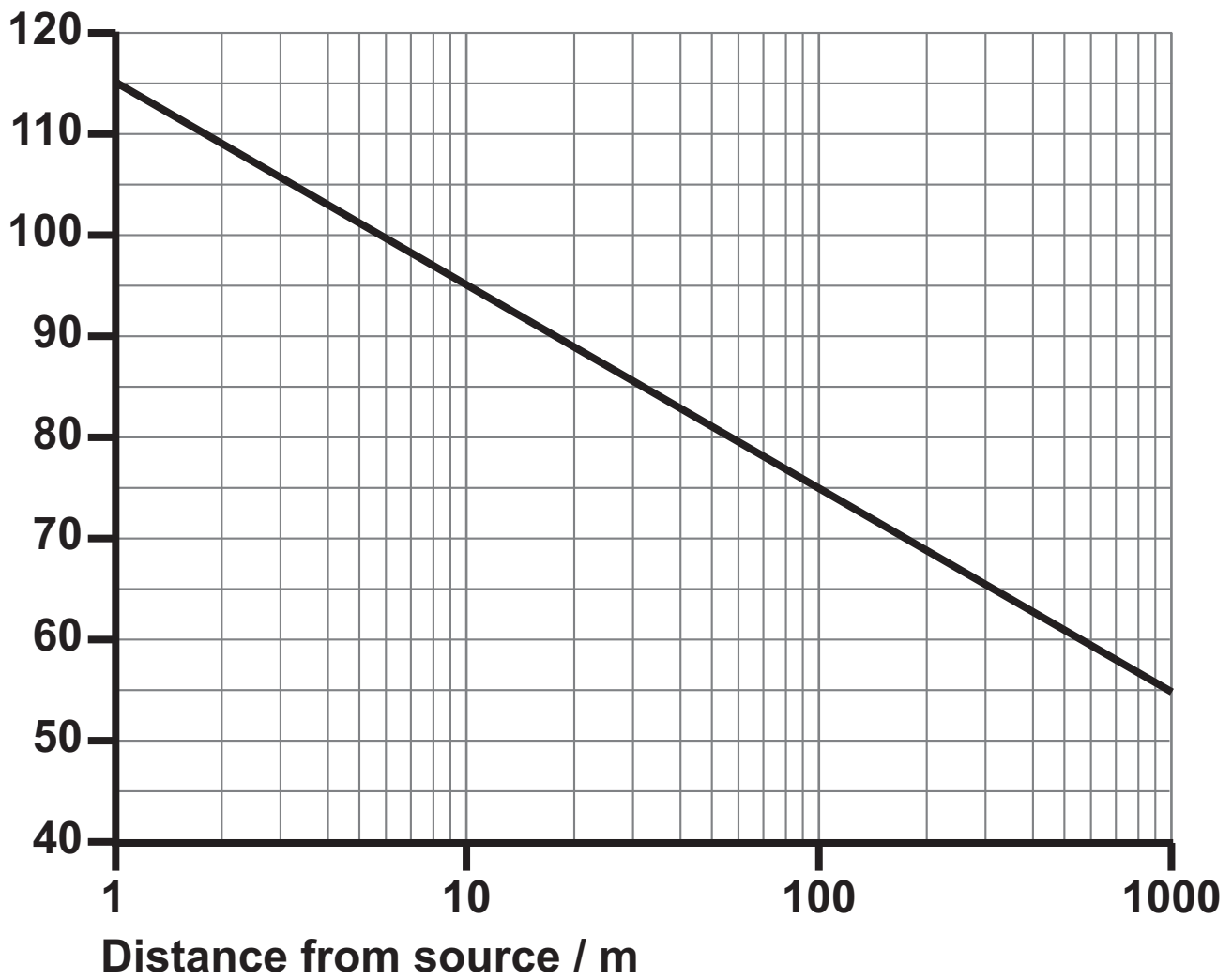
**KEY**

- Natural forest
- Plantation forest
- Residential zone
- Agriculture
- Contour lines / m
- River
- 1 = Site number**

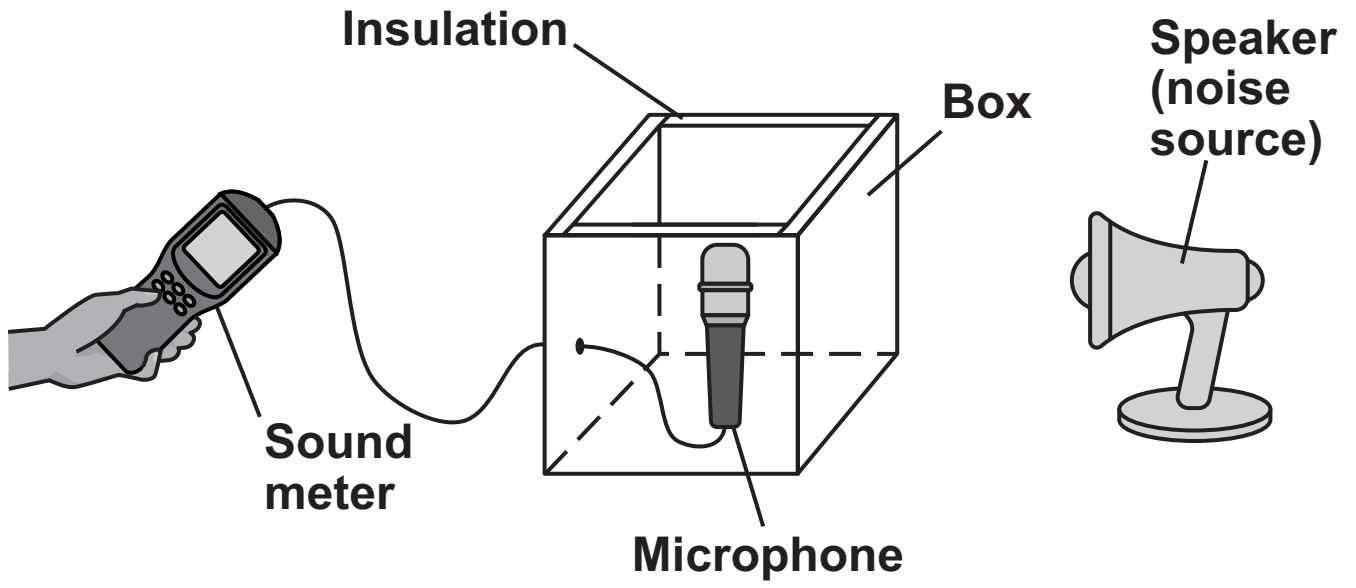
[Turn over]

FIGURE 3

Noise level / dB



**FIGURE 4**



**[Turn over]**

**FIGURE 5**

**Graph showing actual world population and estimated world population without the use of artificial fertilisers (no Haber Bosch nitrogen) from 1900 to 2020.**

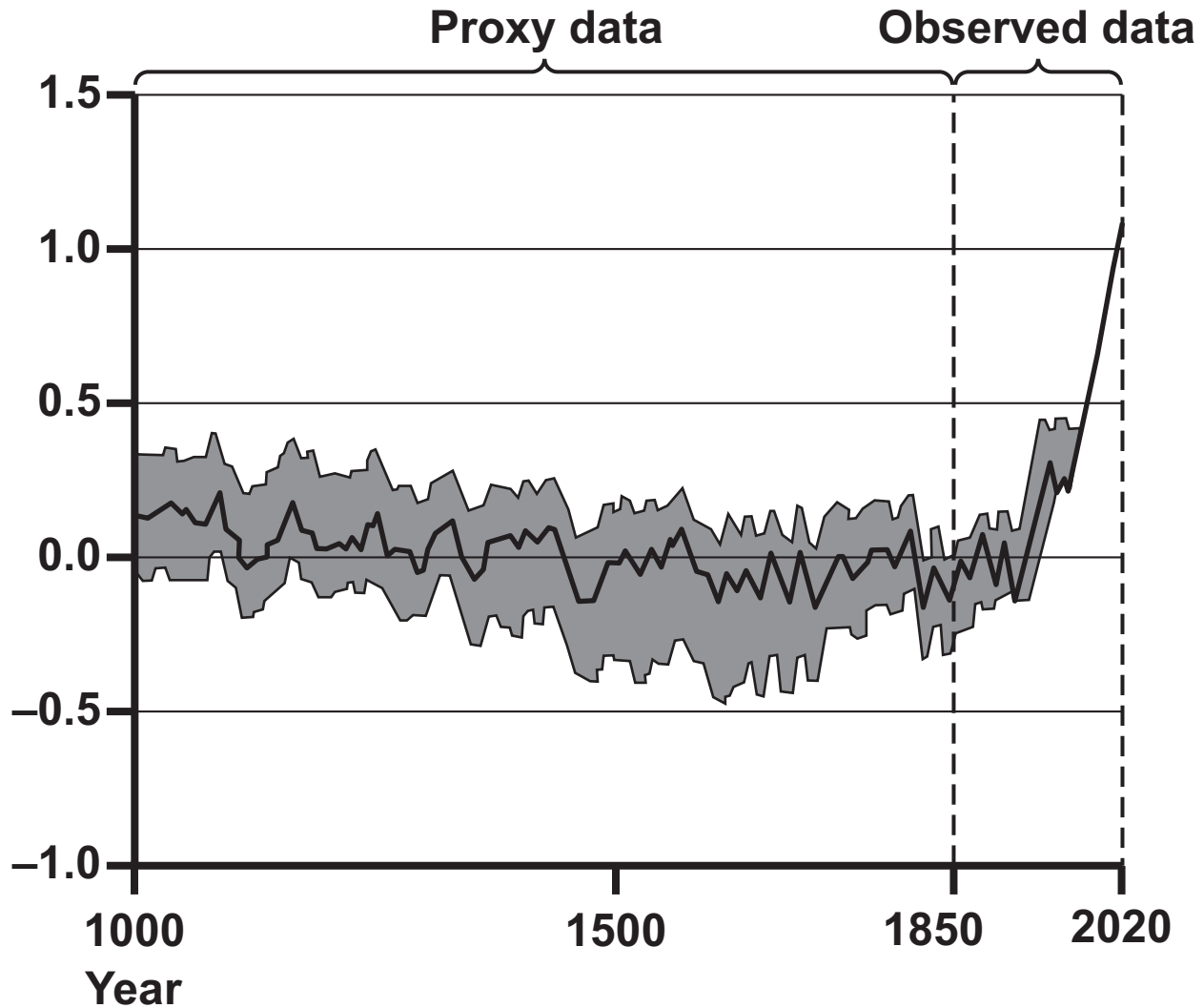
**Accessed via:**

**[https://www.researchgate.net/figure/Changes-in-world-human-population-as-compared-with-estimated-changes-in-the-absence-of\\_fig1\\_259294081](https://www.researchgate.net/figure/Changes-in-world-human-population-as-compared-with-estimated-changes-in-the-absence-of_fig1_259294081)**


**FIGURE 5 not reproduced here due to third-party copyright restrictions.**

## FIGURE 6

Change in global surface temperature relative to mean temperature between 1850 and 2020 / °C

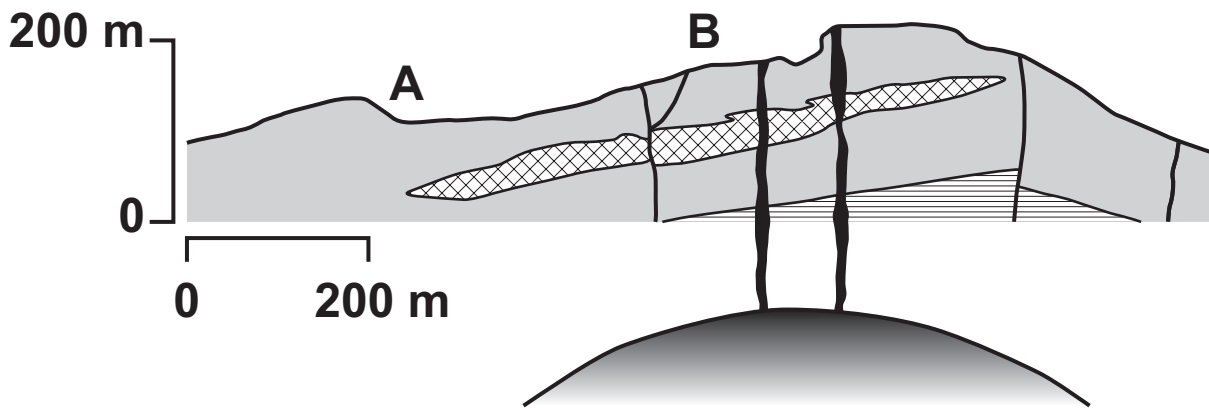


### KEY

- Change in mean global surface temperature relative to mean temperature
-  Uncertainty of measurements

[Turn over]

FIGURE 8



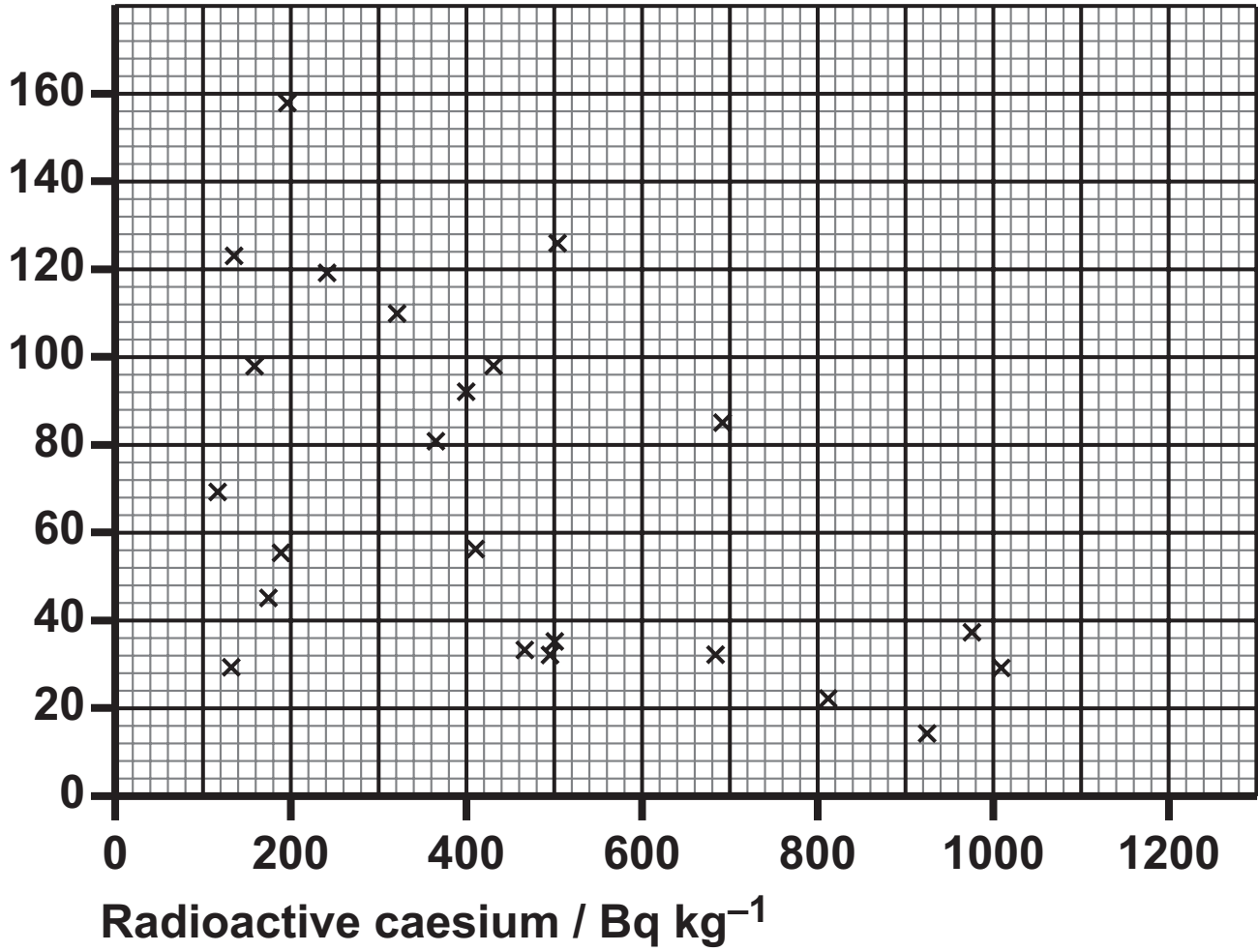
Depth to magma chamber not to scale

### KEY

- Dykes / intrusion
- Magma chamber
- Igneous deposits
- Hydrothermal deposit
- Metamorphic deposits
- Faults
- A B** Extraction sites

FIGURE 9

WBC  $\times 100$   
 $/ \mu\text{l}^{-1}$

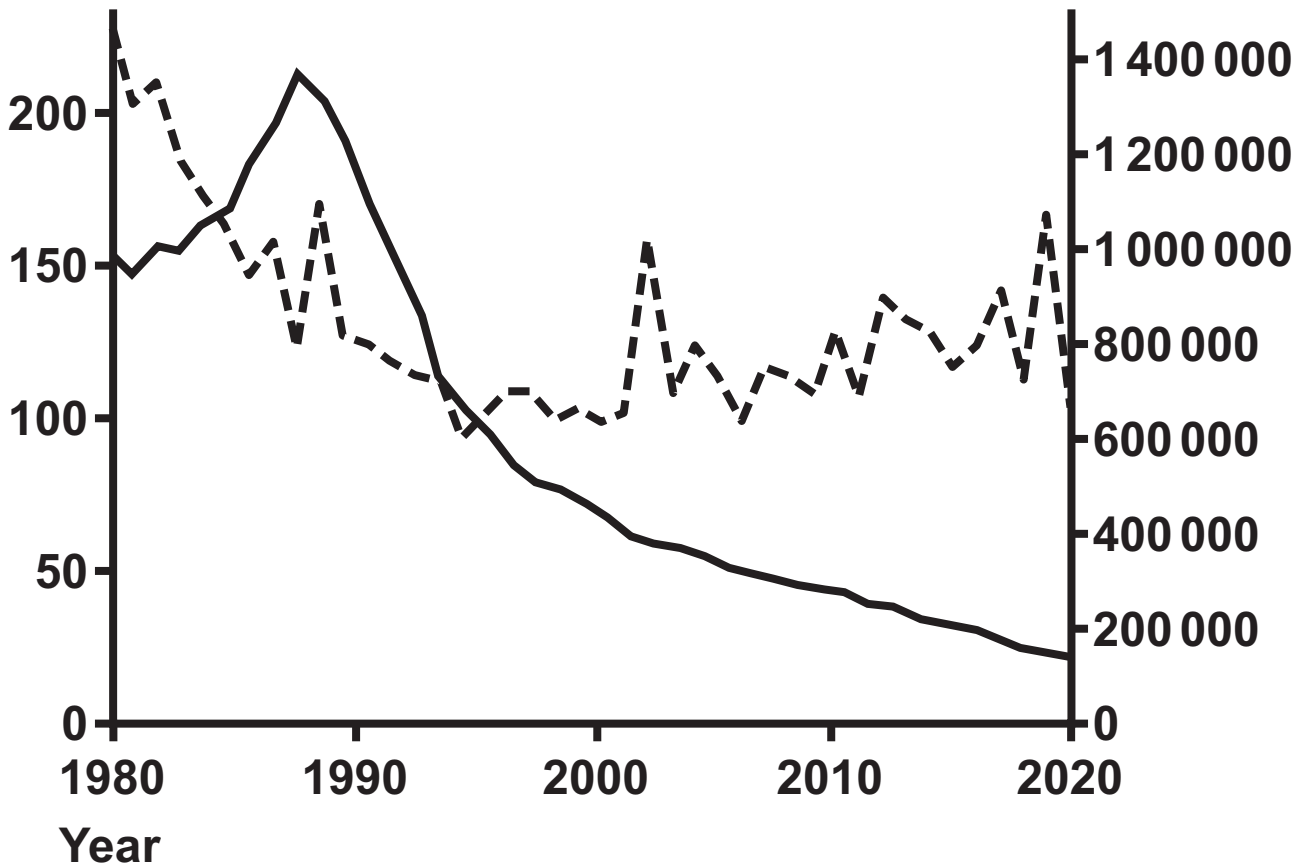


[Turn over]

FIGURE 10

Mean  
ozone  
concentration  
/ Dobson  
Units (DU)

Total  
emissions  
of ODSs  
/ tonnes



## KEY

- Mean ozone concentration
- Total emissions of ODSs

END OF FIGURES

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