

**OXFORD CAMBRIDGE AND RSA EXAMINATIONS
GCSE**

B751/02

**GATEWAY SCIENCE
PHYSICS B**

Physics modules P1, P2, P3

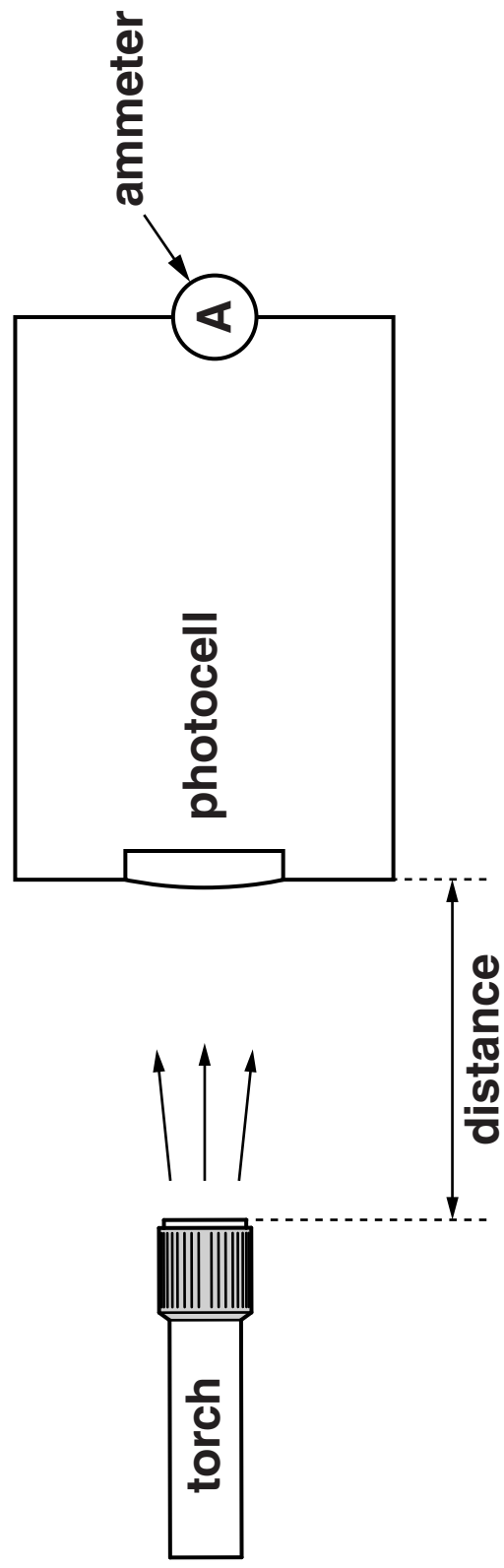
(Higher Tier)

INSERT

TUESDAY 22 JANUARY 2013: Morning

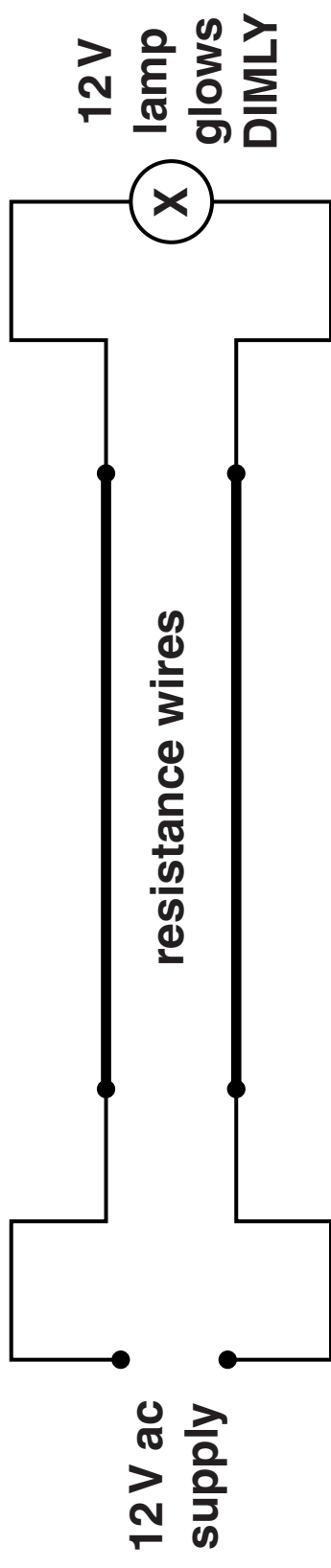
MODIFIED ENLARGED 18pt

Insert B: Diagram of the circuit



Insert C

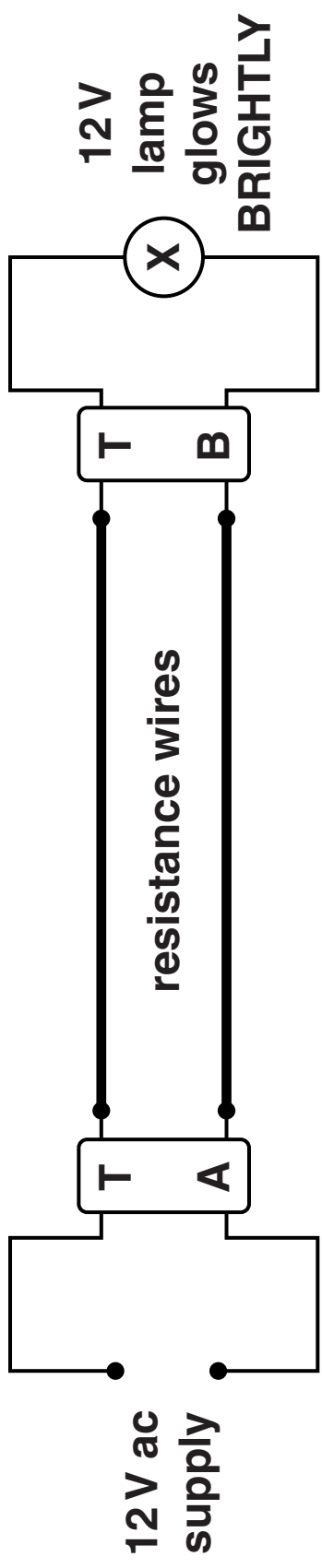
She first sets up a system like this and the light glows dimly.



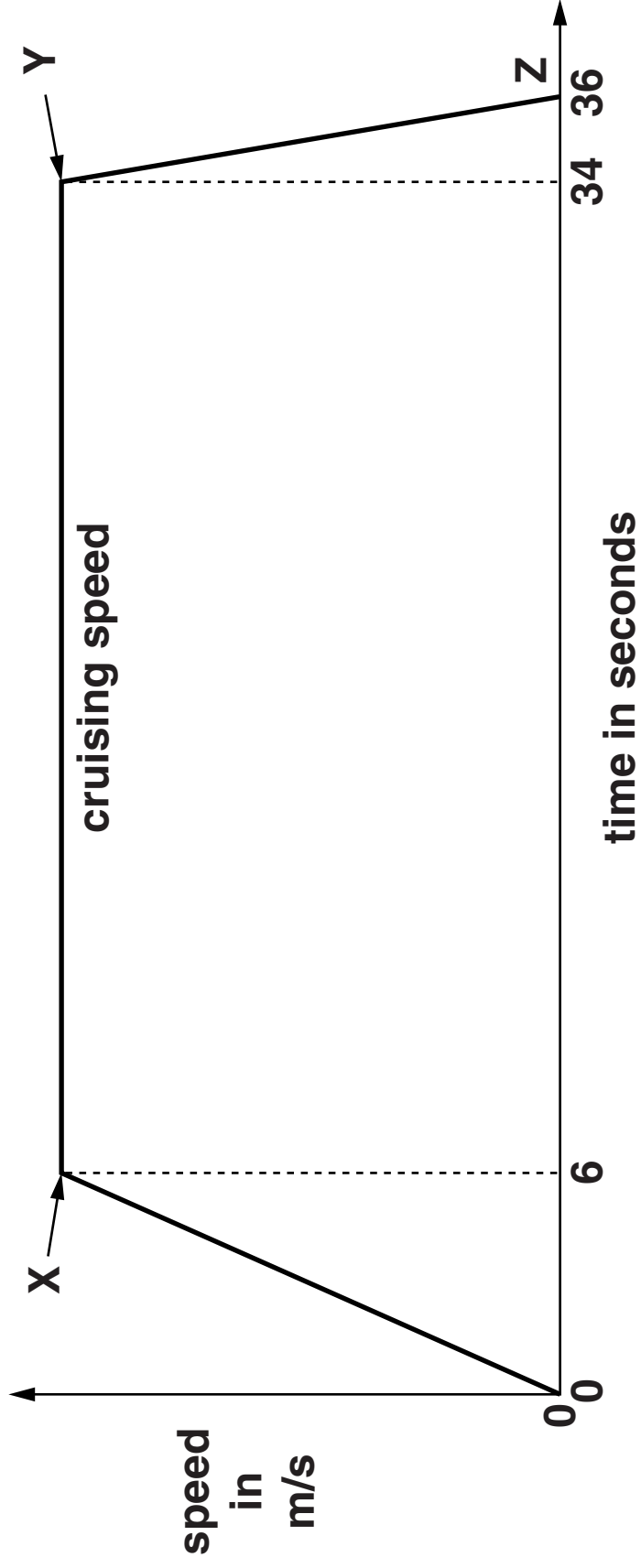
Insert D

She adds two transformers (TA and TB) before and after the resistance wires.

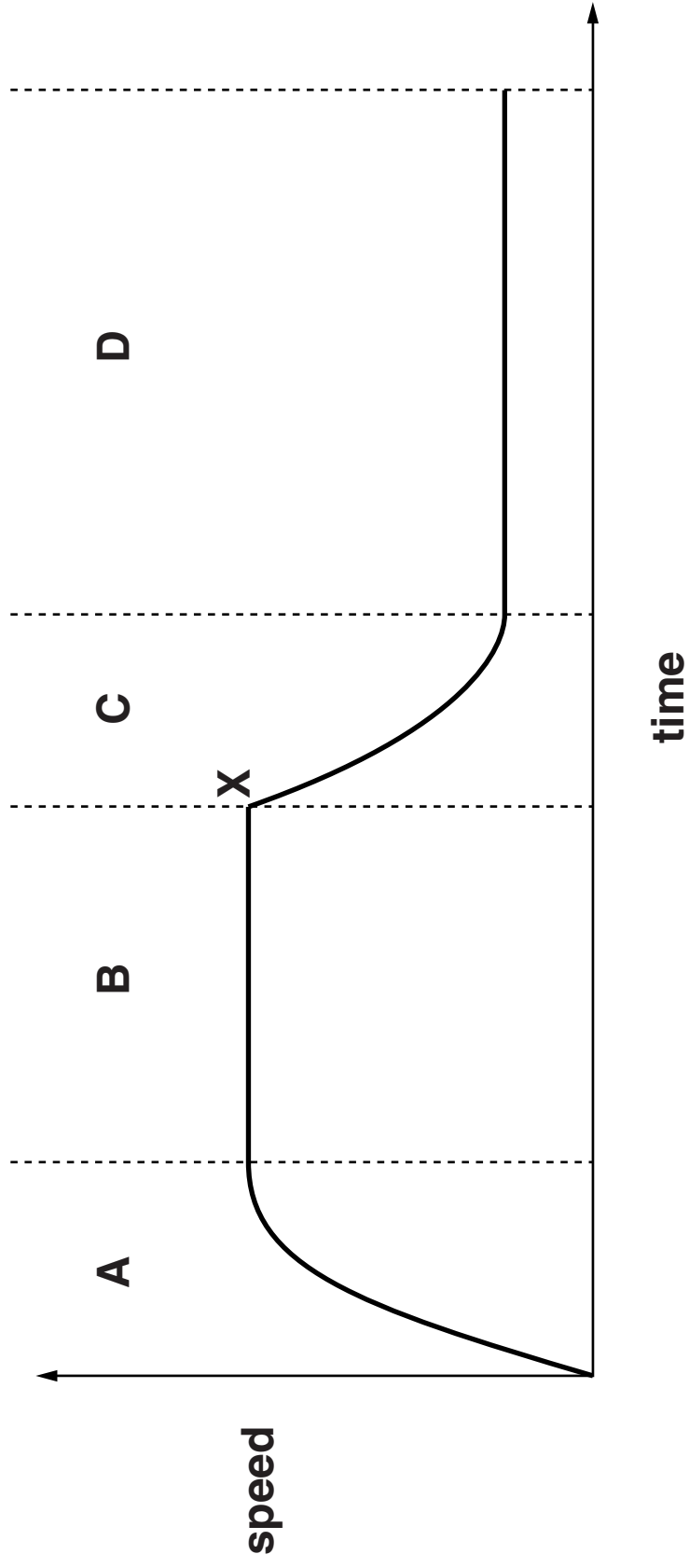
The lamp now glows brightly.



Insert E: Speed-time graph for PART of the journey of a lift up a skyscraper



Insert F: Speed-time graph after Susie jumps from an aeroplane



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