

Page 5	Mark Scheme IGCSE – May/June 2013	Syllabus 0625	Paper 31
3	(a) (i) 1. (loss of P.E. =) mgh OR $92 \times 10 \times 1500$ $1.38 \times 10^6 \text{ J}$ correct use of mgh with $h = 500$ or 2000 gains 1 mark only (ii) 2. (K.E. =) $\frac{1}{2}mv^2$ OR $\frac{1}{2} \times 92 \times 52^2$ $1.244 \times 10^5 \text{ J}$ at least 2 sig. figs (a) (ii) difference is due to: (work done in overcoming) air resistance/drag OR energy converted to/lost as heat (by air resistance/drag) (b) (i) increases (ii) 920 N		C1 A1 C1 A1 B1 B1 B1 [Total 7]
4	(a) (i) mention of vacuum OR glass is a poor conductor OR vacuum/gap between walls has no molecules/atoms/particles (ii) surface/silver (of walls) is good reflector/poor absorber (of radiation) surface/silver (of walls) is poor emitter (of radiation) (b) add a stopper/lid/bung/cover/top to reduce/prevent (loss of heat by) convection/ conduction/radiation/evaporation OR to prevent steam/hot vapour leaving made of insulator OR example of insulator to reduce/prevent (loss of heat by) convection/radiation/evaporation OR to prevent steam/hot air leaving		B1 B1 B1 M1 B1 B1 [Total 6]
5	(a) (i) and (ii) marked together to maximum of 3 marks (i) molecules escape/leave the liquid/form gas or vapour (ii) evaporation OR heat/(thermal) energy needed for evaporation leaves sweat cooler fast(er) molecules/high(er) energy molecules escape OR slow(er) molecules left behind heat flows from body to warm the sweat (so body cools) (b) (i) ($Q =$) $mc\Delta\theta$ OR mcT OR $60 \times 4000 \times 0.50$ $1.2 \times 10^5 \text{ J}$ / 120 kJ (ii) $Q = mL$ in any form OR ($m =$) Q/L OR either with numbers ($m = 1.2 \times 10^5 / 2.4 \times 10^5 =$) 0.05 kg e.c.f from (b)(i)		B1 B1 B1 B1 C1 A1 C1 A1 [Total 7]

June 2013 C1 Marking Scheme

Katrin Zwirglmaier



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Reviewing **June 2013 C1 Marking Scheme**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is actually astonishing. Within the pages of "**June 2013 C1 Marking Scheme**," an enthralling opus penned by a highly acclaimed wordsmith, readers embark on an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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