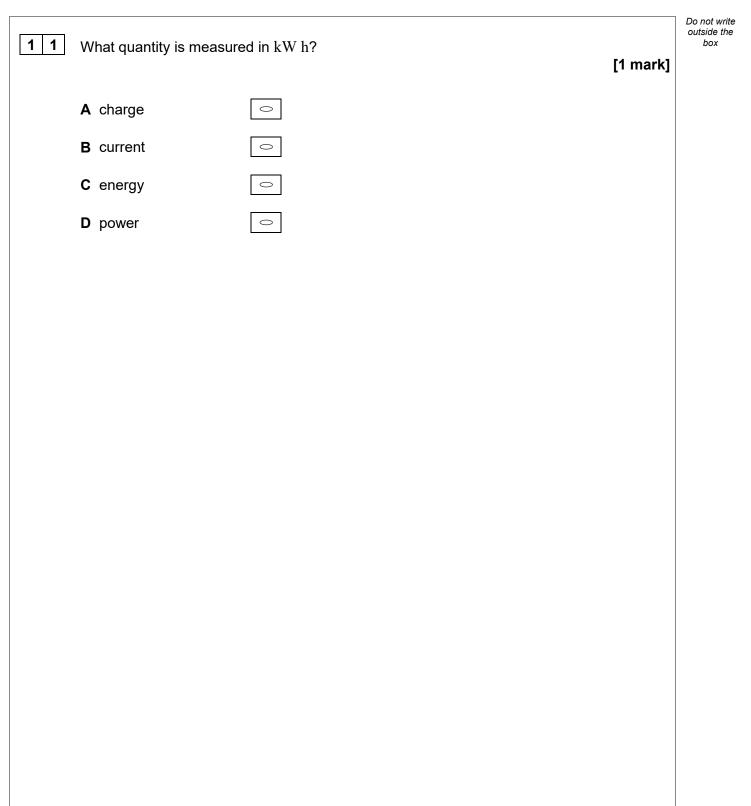
		Section B		Do not write outside the box
	Each of Questions ()6 to 30 is followed by four res	ponses, A , B , C and D .	
	For e	ach question select the best r	esponse.	
-	ne answer per question is ch question, completely f	s allowed. ill in the circle alongside the a	ppropriate answer.	
CORREC	r Method 🕒 WR	ONG METHODS 🗴 💿 📾 ⊄		
lf you v	vant to change your answ	er you must cross out your or	iginal answer as shown. 🔀	
If you v as sho		er previously crossed out, ring	the answer you now wish to select	
	ay do your working in the use additional sheets for		estion but this will not be marked.	
06	Mechanical power			
			[1 mark	(]
	A is a vector quantity.		0	
	B is measured in J.		0	
	\boldsymbol{C} has base units of kg :	$m^2 s^{-3}$.	0	
	D can be calculated fro	m force $ imes$ distance moved.	0	
0 7	Water waves of waveler constant.	ngth λ and wave speed v are r	elated by $v=\sqrt{k\lambda}$ where k is a	
	What is a possible SI un	it for <i>k</i> ?	[1 mark	(]
	A $m s^{-2}$	0		
	B m s ⁻¹	0		
	C $m^{\frac{3}{2}}s^{-1}$	0		
	D $m^{\frac{1}{2}}s^{-1}$	\bigcirc		



Turn over ►





		Section B
	Each of Ques	stions 07 to 31 is followed by four responses, A , B , C and D .
		For each question select the best response.
For ea correct If you If you as sho You m	CT METHOD • want to change you wish to return to an own. •	estion is allowed. letely fill in the circle alongside the appropriate answer. WRONG METHODS © © © © © Ir answer you must cross out your original answer as shown. answer previously crossed out, ring the answer you now wish to select in the blank space around each question but this will not be marked. eets for this working.
07	M/high is approxim	mataly acrual to 2 kW h2
	which is approxif	nately equal to 3 kW h? [1 mark]
	A 3×10^3 J	0
	A 3×10^3 J B 1×10^4 J	0
	B $1 \times 10^4 \text{ J}$	
0 8	B 1×10^4 J C 2×10^5 J	
0 8	B 1×10^4 J C 2×10^5 J D 1×10^7 J	test distance?
08	B 1×10^4 J C 2×10^5 J D 1×10^7 J Which is the shore	test distance?
08	B 1×10^4 J C 2×10^5 J D 1×10^7 J Which is the short A 10^{-19} Gm	test distance? [1 mark]

