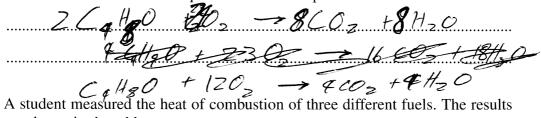
Question 23 (3 marks)

(a)	Write a balanced	chemical of	equation	for the	complete	combustion	of	1-butanol.
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1



(b) are shown in the table. 2

Fuel	Heat of combustion (kJ g ⁻¹)
A	-48
B	-38
C	-28

The published value for the heat of combustion of 1-butanol is 2676 kJ mol-1.

Which fuel from the table is likely to be 1-butanol? Justify your answer.

Fuel	B 15	2051	lixely	to be	the
heat	of combi	ustion o	f bu	tanol b	e caus e
	dividing	_			
	a v				
	achieved.				•••••
	t				