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<b>Ouestion</b>	23	(3	marke	١
Question	2.3	1.5	шагкѕ	J

(a)	Write a balanced chemical equation for the complete combustion of 1-butanol.	1
	C120HCH2CH2CH3+02-> C4H1003	
	Z	

(b) A student measured the heat of combustion of three different fuels. The results are shown in the table.

Fuel	Heat of combustion (kJ g <sup>-1</sup> )
A	-48
В	-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.

C4 H100				
48+10+16				
=64	/>			
m	<del>26</del> 76			
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