

ENERGETICS (C)

	TICl ₄ (s	$) + 2Mg(s) \rightarrow 2MgCl_2(s) + Ti(s)$	
Δ _f H / kJ mol ⁻¹	TiCl ₄ (s) = -912 N	MgCl ₂ (s) = -642	
		f butane, $C_4H_{10}(g)$, given the follow Δ_cH $C(s) = -394$ kJ mol^{-1}	
		$CH_2=CH_2(g)+H_2(g) \rightarrow CH_3CF$ C bond using this data and the fol	
C-H = 413,	H-H = 463, C-C =	348 kJ mol '	
1.22 g of propan-1	-ol, C₃H ₇ OH(l), was l	burned in a spirit burner and use	d to heat 50.0 g of water in a coppe enthalpy of combustion of propan-1 ion is 4.18 J K ⁻¹ g ⁻¹ .

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