6 • Energy and Chemical Reactions

	PRACTICE TEST ANSWERS
D 1) 37.7 cal × 4.184 J = 157.	7 2 [1585]
A 2) I = heat capacity	
A 3) A 25 J Ig . 4°C [6.25] J	g 3 25 J 1g. 8% (3.13) J g.c
A is twice as dy	focult to heat up as B
$D(4) = \frac{25}{5.0g} \cdot 2^{\circ}c = \begin{bmatrix} 2.5 \\ -5.0g \cdot 2^{\circ}c \end{bmatrix}$	
B 5) g=mcDT = (2.00g)	(.9025)(5.0°C) = 9.025
O 6) Heat is ABSORBED =	endo ruermic DH
D 7) Step 1 140 140 Ste	ep 2 430 470 [= ZERO]
B 8) Hot = exothermic (Every of universe is consofant)
D9) FORM FROM 175 ELE	EMEDIS No + 202 -> N203
A 10) OH (D :. ENDOTHERN Det Surrounding LOSE &) DHC of AB is - DE 24+62 AB L	erengy

A H)

$$\begin{array}{c} D+F \rightarrow G+M \\
G+C \rightarrow A+3 + 277 \quad Towase TH_{3} \\
G+F + A + 303 \\
(D) + B+M - -158 \\
H + B + K + G - 277 \\
(H = -132 K) \\
A + B + K + G - 277 \\
(H = -132 K) \\
A + B + K + G - 277 \\
(H = -132 K) \\
A + B + K + G - 277 \\
(H = -132 K) \\
A + B + K + G - 277 \\
(H = -132 K) \\
A + B + K + G - 277 \\
(H = -132 K) \\
B + 2(-3(4)) \\
B + 3(0 - 3(90)) \\
= 82.1 + 3(0 - 3(90)) \\
= 82.1 + 3(0 - 3(90)) \\
= 82.1 + 3(0 - 3(90)) \\
= 82.1 + 3(0 - 3(90)) \\
= -153.9 K \\
B + 3(-241.8) - 7K \\
Y = 2(-3(3,5) + 3(-241.8) - 7K \\
Y = 2(-3(3,5) + 3(-241.8) + 1277.3 \\
= -7870 - 725.4 + 1277.3 \\
= -7870 - 725.4 + 1277.3 \\
= -235.1 K \\
B + 3(-241.8) + 1277.3 \\
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B + 3(-241.8) + 1277.3 \\
= -235.4 K \\
= -235.4 K \\
= -240 J \\
= -240 J \\
= -240 J \\
= -240 J \\
= -2$$