


Figure 4.8 (page 122)

<u>Cycloalkane</u>	<u>Ring Size (n)</u>	ΔH_{comb} <u>KJ/mol</u>	ΔH_{comb} <u>per -CH₂-</u> <u>KJ/mol</u>	<u>Total Strain Energy</u>
	3	2090	698	115
	4	2744	686	110
	5	3220	664	27
	6	3952	659	0
	7	4637	662	27
	8	5310	664	42
Cyclononane	9	5981	665	54
Cyclodecane	10	6636	664	50
Cyclopentadecane	15	9985	659	0
Alkane reference			659	0

$$\text{Total Strain Energy} = \left(\begin{array}{c} \Delta H_{\text{comb}} \\ \text{per -CH}_2\text{-} \\ \text{of Sample} \end{array} \right) - \left(\begin{array}{c} \Delta H_{\text{comb}} \\ \text{per -CH}_2\text{-} \\ \text{of Reference} \end{array} \right)$$