



Nama : _____ Class : _____ Date : _____

SMATQ ABI-UMMI BOYOLALI
THE QURANIC SCIENTIST BOARDING SCHOOL

Chemistry

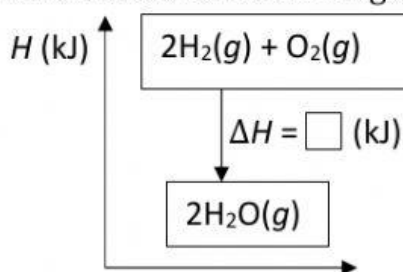
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Student Activities
11th Grade 1st Semester

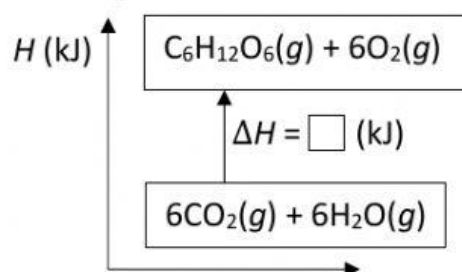
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LIVEWORKSHEETS TERMOKIMIA Part. 1

- Kalor yang dilepaskan atau diserap oleh sistem pada tekanan tetap dinamakan
- Harga perubahan entalpi dapat dilihat dari persamaan rumus berikut.
 $\Delta H = \Delta H_{\text{produk}} - \Delta H_{\text{reaktan}}$ (produk/reaktan)
- Isilah kotak berikut dengan tanda +/- pada harga ΔH .



Nama reaksi:



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- Pilih salah satu opsi jawaban yang telah disediakan di dalam kotak.

Persamaan Reaksi	ΔH (kJ/mol)	Jenis ΔH
$\text{N}_2(\text{g}) + 3\text{H}_2(\text{g}) \rightarrow 2\text{NH}_3(\text{g})$	-92	
$2\text{H}_2\text{O}(\text{l}) \rightarrow 2\text{H}_2(\text{g}) + \text{O}_2(\text{g})$	+572	
$\text{C}_3\text{H}_8(\text{g}) + 5\text{O}_2(\text{g}) \rightarrow 3\text{CO}_2(\text{g}) + 4\text{H}_2\text{O}(\text{g})$	-2.220	
$2\text{NH}_4\text{Cl}(\text{aq}) \rightarrow \text{N}_2(\text{g}) + 4\text{H}_2(\text{g}) + \text{Cl}_2(\text{g})$	+628	
$4\text{Fe}(\text{s}) + 3\text{O}_2(\text{g}) \rightarrow 2\text{Fe}_2\text{O}_3(\text{s})$	-1.648	

Persamaan Reaksi	Pilih Salah Satu Harga ΔH (kJ/mol)
$2\text{CO}(\text{g}) + \text{O}_2(\text{g}) \rightarrow 2\text{CO}_2(\text{g})$	-566
$2\text{CO}_2(\text{g}) \rightarrow 2\text{CO}(\text{g}) + \text{O}_2(\text{g})$	
$\text{CO}(\text{g}) + \frac{1}{2}\text{O}_2(\text{g}) \rightarrow \text{CO}_2(\text{g})$	
$4\text{CO}_2(\text{g}) \rightarrow 4\text{CO}(\text{g}) + 2\text{O}_2(\text{g})$	