

Name: _____ Date: _____

Hess's Law Worksheet

1 The algebraic formula for Hess's law is _____

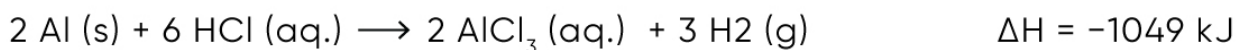
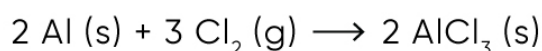
A. $\Delta H = \Delta H_1 + \Delta H_2 + \Delta H_3 + \dots$

B. $\Delta H = \Delta H_1 - \Delta H_2 - \Delta H_3 - \dots$

C. $\Delta H = \frac{(\Delta H_1 \times \Delta H_2 \times \Delta H_3 \times \dots)}{(\Delta H_1 + \Delta H_2 + \Delta H_3 + \dots)}$

D. $\Delta H = \Delta H_1 \times \Delta H_2 \times \Delta H_3 \times \dots$

2 Find the ΔH for the reaction below, given the following reactions and subsequent ΔH values.



3 Calculate the ΔH for the reaction: $\text{PbCl}_2 \text{(s)} + \text{Cl}_2 \text{(g)} \longrightarrow \text{PbCl}_4 \text{(l)}$

Given the following information:



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Answers

1] The algebraic formula for Hess's law is A

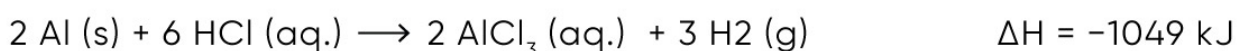
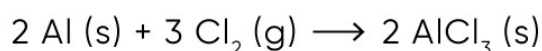
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