Thermodynamic crossword
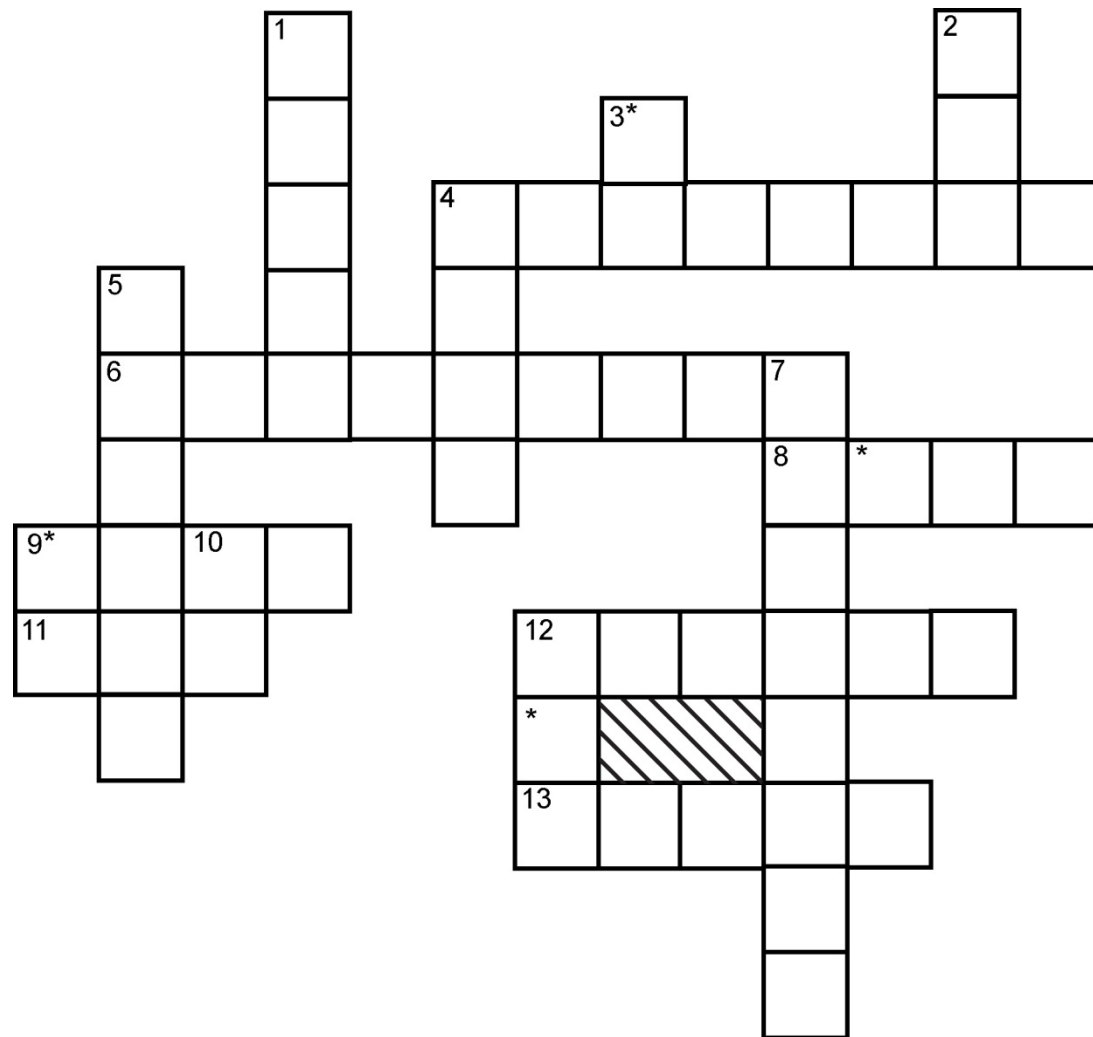
Fill in this thermodynamic crossword. The boxes marked with * are mathematical symbols; all other entries are letters.

	Across		Down
4.	If a reaction is endothermic ΔH is _____ .	1.	One name associated with the theory for calculation of activity coefficients of electrolytes
6.	Constant boiling liquid solution	2.	Work of expansion done on surroundings
8.	(Helmholtz free energy) $A \equiv$ _____	3.	Change in order-disorder
9.	For isothermal reaction involving only ideal gasses $\Delta H = \Delta U +$ _____	4.	$\int_{initial}^{final} dG$ is independent of _____ .
11.	In an adiabatic compression an ideal gas will become _____ .	5.	Famous French cyclist and efficiency expert
12.	One mole of monatomic ideal gas is heated from 100K to 738.9056099K at constant volume. What is ΔS?	7.	Constant melting solid mixture
13.	If dA is an exact differential then A is a _____ function	9	q at constant pressure
		10.	For any gas $\lim\limits_{\frac{n}{V} \to 0}\left(\dfrac{PV}{n}\right)$
		12.	q_{rev} for constant T