

Which of these is TRUE about dH in a closed system
 $TdS + VdP$

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General equations for the differentials of various thermodynamic functions can be written from _____ both first and second law of thermodynamics

Gibbs-Helmholtz free energy is represented by
 $H - TS$

The criterion for spontaneity in terms of Gibbs free energy is that the process would be feasible if ΔG is _____.
negative

When the pressure and temperature remain constant, the Gibbs free energy of a system _____ in a reversible process decreases

The entropy of a pure, perfectly crystalline solid approaches zero, as temperature approaches absolute zero. This describes _____ Law of thermodynamics
Third

Calculate the entropy of mixing of 2.00 mol of H_2 with 3.00 mol of O_2 assuming that no chemical reaction occurs.
27.98

In the case of a solid-liquid transformation, Clausius-Clapeyron equation relates the latent heat of _____ to the rate of change of melting point with _____.
Fusion, pressure

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