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The following describes a reversible process, EXCEPT. The driving force exceeds the opposing force only very slightly at any given time

A process in which heat is NOT allowed to leave or enter the system is said to be

adiabatic

The molar heat capacity of ethane at constant pressure is 52.6 JK-1mol-1. Calculate the energy required to heat 3.00 mol of ethane from 305 K to 405 K at constant pressure.

15780 J

Reaction vessels with permeable membranes are examples of ______ system. Open

A gas expands from 8 m3 to 12 m3 against a constant pressure of 1 atm at 298K. What is the work done on the gas ? -0.00002

An isolated system is one which exchanges ______ with its surroundings. no matter or energy

One of these is NOT an extensive property of homogeneous system Refractive index

Heat transferred to a system depends on these factors, EXCEPT The pressure of the system

A sealed thermoflask can be said to be an example of ______ system Isolated

In the ideal gas equation, V= (nRT)/P,the dependent variable is _____ V

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