Assignment 4

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The Properties of Mixtures by Izirwan

ASSIGNMENT 4

One mole of an ideal gas initially at temperature of 25 °C and pressure 1 atm is going to expand freely into a vacuum and double its volume. Next, the gas was heated to 125 °C at constant volume. Then, it is reversibly expanded at constant temperature until its volume turn to double. Finally the gas was reversibly cooled down to 25 °C at constant pressure.

Determine U, H, q, W and S in the gas

Authors Information

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