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4.20g of nitrogen gas at 22.0 C and an initial pressure of 2.30 atm undergo an isobaric expansion until the volume has tripled. A.)How much heat energy is transferred to the gas to cause this expansion? b.)The gas pressure is then decreased at constant volume until the original temperature is ...

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The zeroth law of thermodynamics says that if two systems are in each in thermal equilibrium, respectively, with a third system, then they must be in thermal equilibrium with each other. The first law of thermodynamics says that energy can only be converted from one form to another and cannot be created.

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