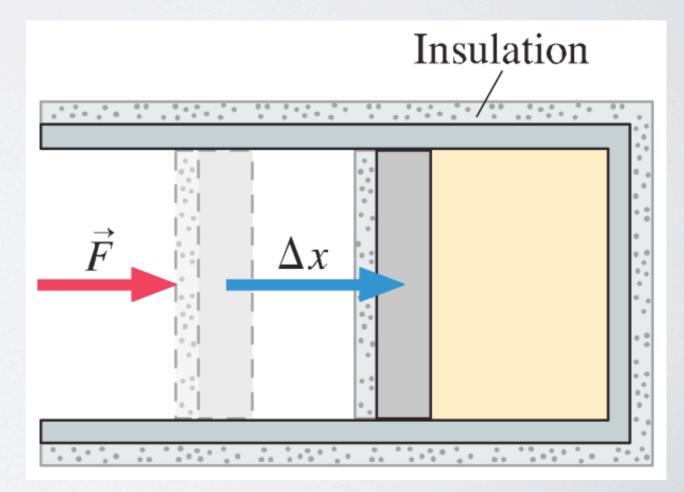
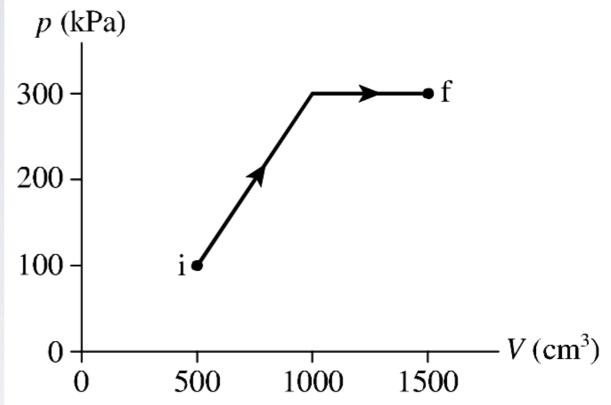
I.A gas cylinder and piston are covered with heavy insulation. The piston is pushed into the cylinder, compressing the gas. In this process the gas temperature a. increases.

- b. decreases.
- c. doesn't change.
- d. There's not sufficient information to tell.

Explain.



2. How much work (in joules) is done on the gas in the ideal-gas process shown in the figure?



3. Two processes take an ideal gas from state 1 to state 3. Compare the work done by process A to the work done by process B. a. $W_A = W_B = 0$ b. $W_A = W_B$ but neither is zero c. $W_A > W_B$ d. $W_A < W_B$

