



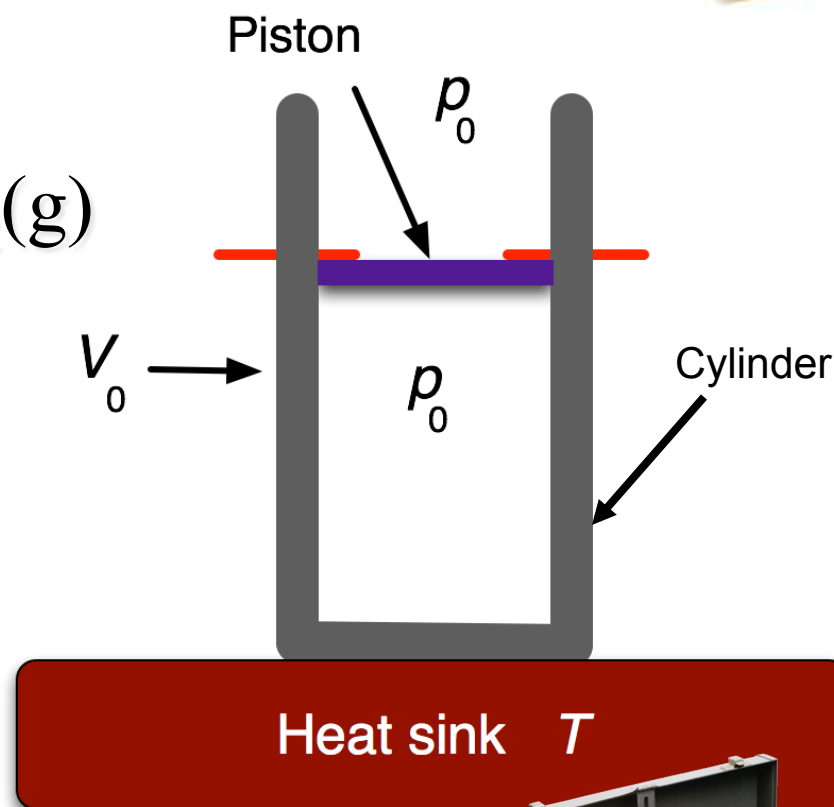
Suppose we have a fixed volume, V , containing 1 mole of NO_2 at pressure p_0 .

Suppose all the



If T remains the same, what would happen to p ?

- A. It would remain the same.
- B. It would be 1.5 X as big.
- C. It would double.
- D. It would decrease but not by half.
- E. It would increase but not double.



$$pV = Nk_B T$$

If we pull the pins holding the piston in place, the gases would expand until the pressures are equal. What would the new volume be?



- A. V_0
- B. $2/3 V_0$
- C. $3/2 V_0$

- D. Between A and B
- E. Between A and C

