

## Previous Year JEE question 2

1. When an ideal gas undergoes unrestrained expansion, no cooling occurs because the molecules : *(1984 - 1 Mark)*
  - (a) are above the inversion temperature
  - (b) exert no attractive forces on each other
  - (c) do work equal to loss in kinetic energy
  - (d) collide without loss of energy
  
- (b) No work is required to tear apart the molecules due to the absence of attractive forces in an ideal gas.