

- adsorb multiple molecules at the same time
22. Which one of the following characteristics is **not** correct for physical adsorption ? [2003]
- (a) Adsorption increases with increase in temperature
 - (b) Adsorption is spontaneous
 - (c) Both enthalpy and entropy of adsorption are negative
 - (d) Adsorption on solids is reversible

Ans. (a)

22. (a) Physical adsorption is inversely proportional to the temperature, as the temperature increases adsorption decreases.