- 19. The mean bond enthalpy of the N-H bond is equal to one third of ΔH for which of the following changes?
 - $N(g) + 3H(g) \rightarrow NH_3(g)$

 - $N_2(g) + 3H_2(g) \rightarrow 2NH_3(g)$

 $N(g) + 1\frac{1}{2}H_2(g) \rightarrow NH_3(g)$

 $\frac{1}{2}N_2(g) + 1\frac{1}{2}H_2(g) \rightarrow NH_3(g)$