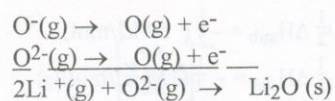


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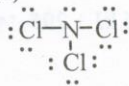


$$\begin{aligned} \Delta H_{\text{EA1}} &= -(-141 \text{ kJ/mol}) \\ -\Delta H_{\text{EA2}} &= -(744 \text{ kJ/mol}) \\ \Delta H_{\text{LE}} &= -2809 \text{ kJ} \end{aligned}$$

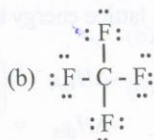
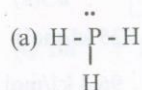
33. (a)



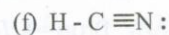
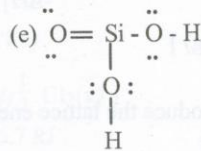
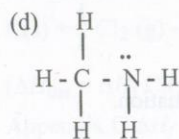
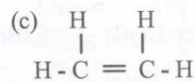
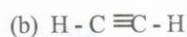
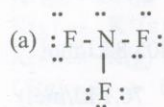
(b)



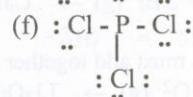
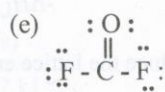
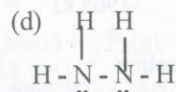
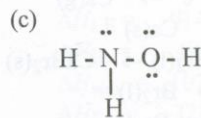
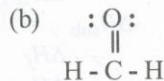
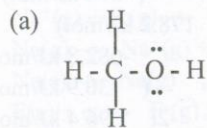
34.



35.



36.



37. (a) MgO should be ionic.

