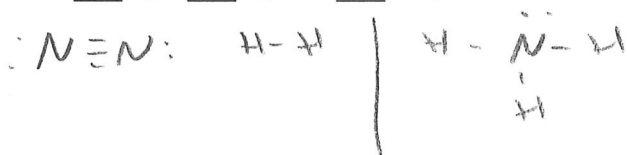
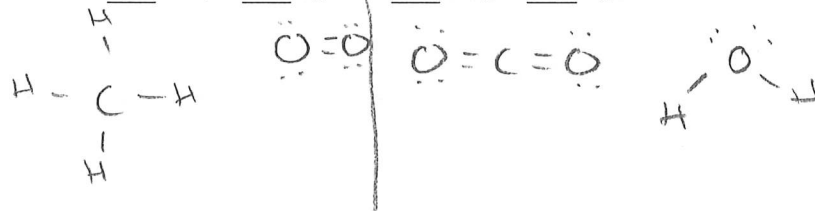


AP Chemistry
Bond Energies

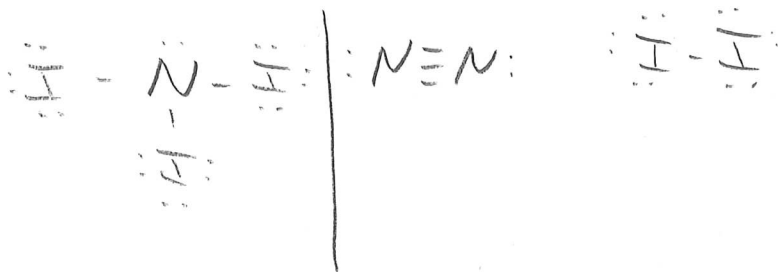
Determine the enthalpy of the following reactions using bond energies.



$$\Delta H = \{945 + 3(432)\} - 6(391) = \boxed{-105 \text{ kJ}}$$



$$\Delta H = \{4(413) + 2(498)\} - \{2(799) + 4(467)\} = \boxed{-818 \text{ kJ}}$$



$$\Delta H = \{6(159)\} - \{945 + 3(151)\} = \boxed{-444 \text{ kJ}}$$