

Answer Key

Beginner Hess' Law Problems

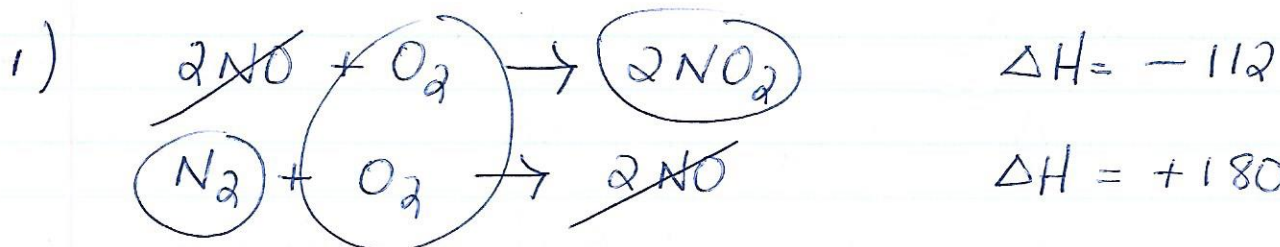
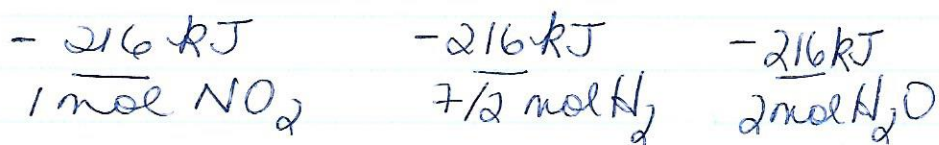
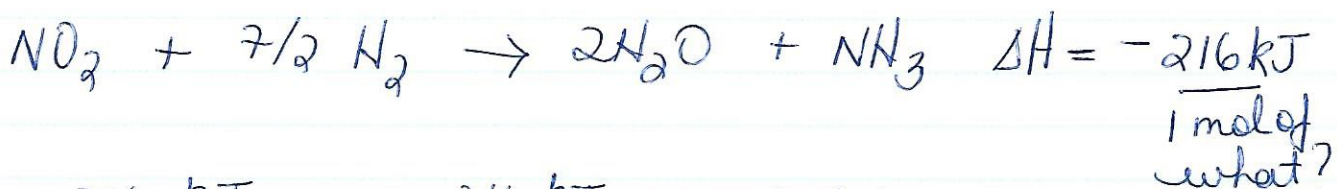
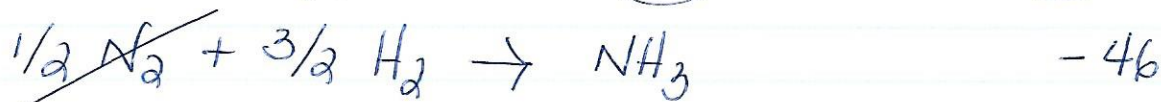
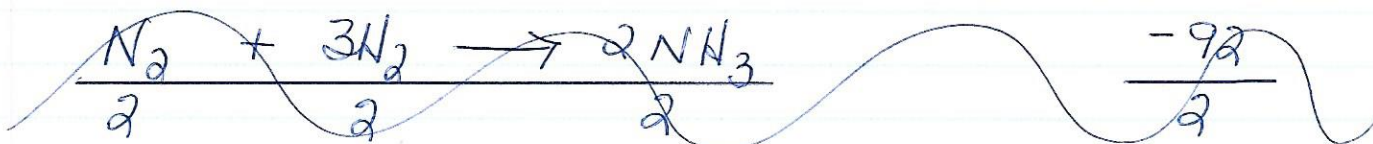
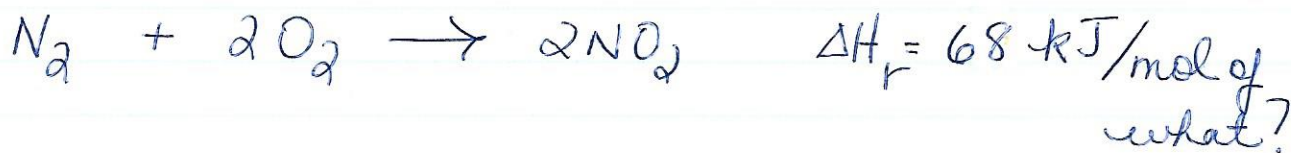
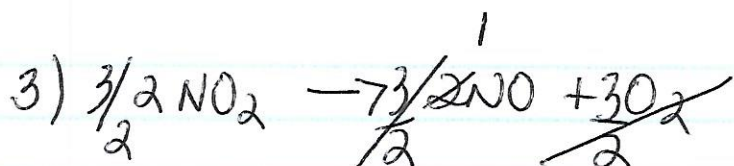


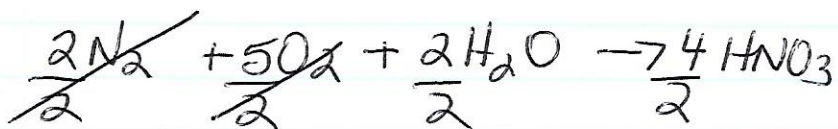
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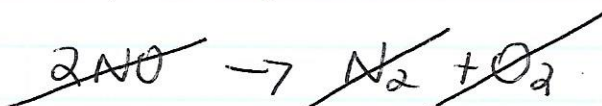
= NH₃



$$\frac{3}{2} (+116) = 174$$



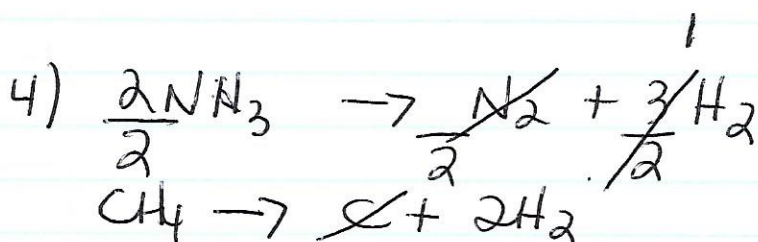
$$\left(-\frac{256}{2} \right) = -128$$



$$-183$$

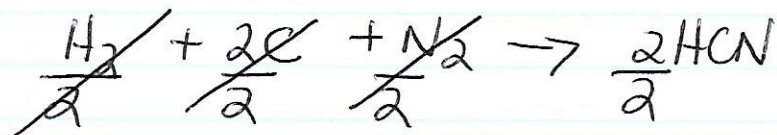


$$-137 \text{ kJ} / 3 \text{ mol NO}_2$$

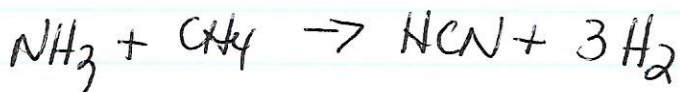


$$\frac{+91.8}{2} = 45.9$$

$$+74.9$$



$$\left(\frac{+270.3}{2} \right) = 135.15$$



$$255.95 \text{ kJ} / \text{mol CH}_4$$