5/62 $\frac{2.42\ J}{g\ K}$ EG , ___ J , 62 g EG

$13.1^\circ C \rightarrow 40.5^\circ C$

$\Delta T = 27.4^\circ C$

$\Delta T = 27.4\ K$

$$\frac{2.42\ J}{g\ K} \times 62\ g \times 27.4\ K =$$

Oct 16-7:54 AM

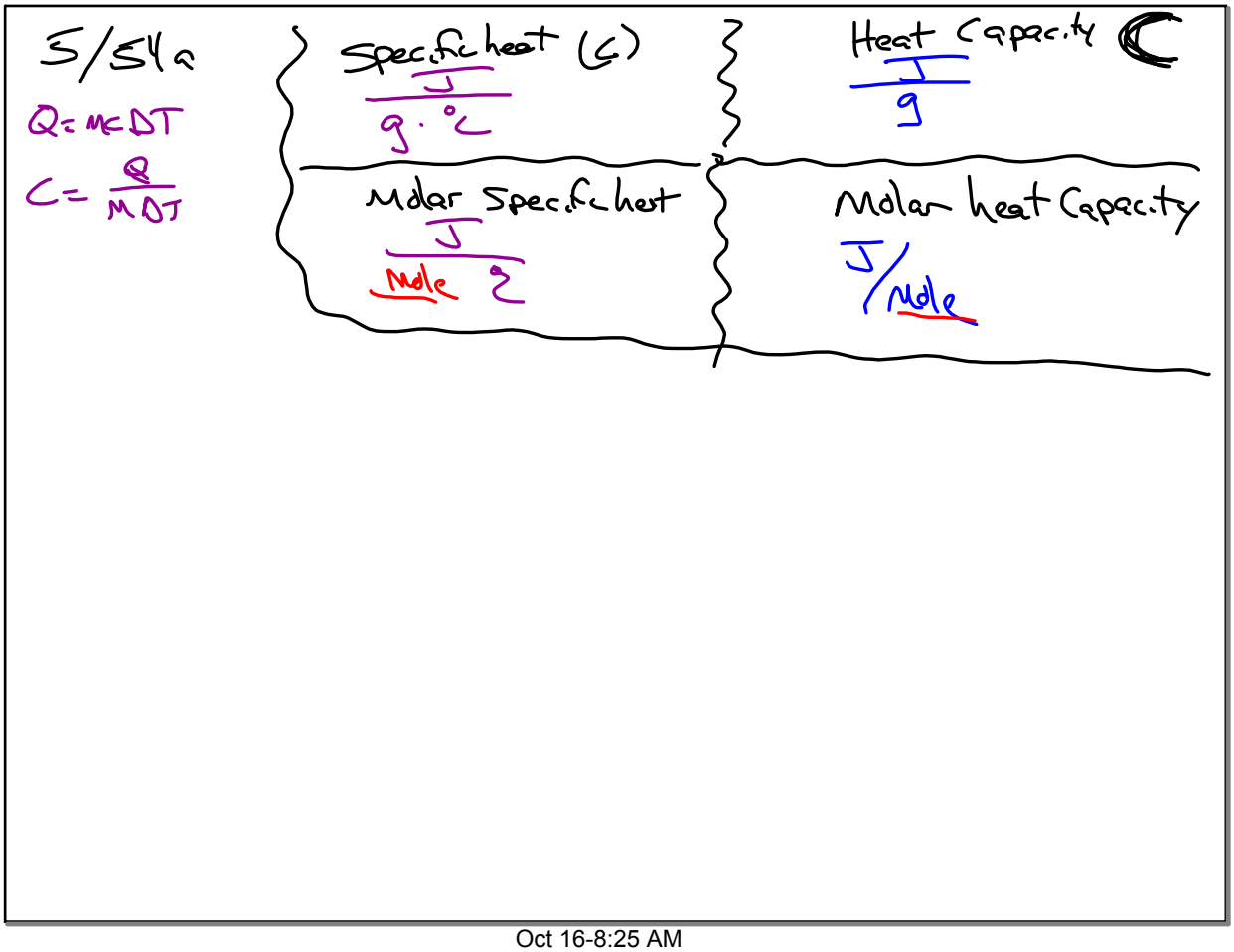
5/64 $N_2O \rightarrow N_2 + \frac{1}{2}O_2$ $\quad \frac{1}{2}(-163.2)$ kJ

$NO_2 \rightarrow NO + \frac{1}{2}O_2$ $\quad + \frac{1}{2}(113.1)$ kJ

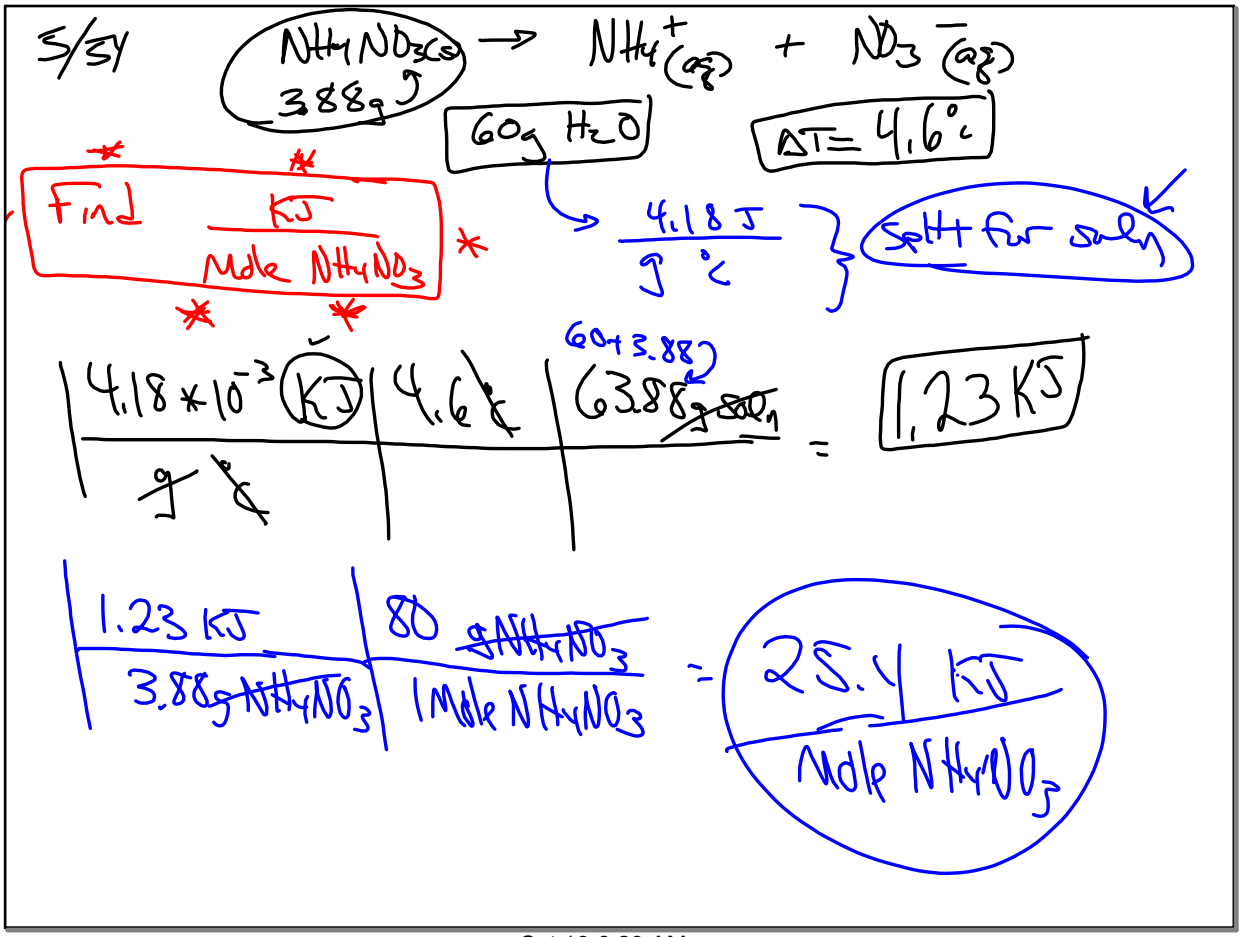
$N_2 + O_2 \rightarrow 2NO$ $\quad + 180.7$ kJ

$N_2O + NO_2 \rightarrow 3NO$

Oct 16-8:18 AM



Oct 16-8:25 AM



Oct 16-8:29 AM

Last page PS 5-1

$2H_2 + O_2 \rightarrow 2H_2O$

$\Delta H_{rxn} = n\Sigma \Delta H_{prod} - n\Sigma \Delta H_{react.}$

$= 2\Delta H_{H_2O} - (2\Delta H_{f(H_2)} + \Delta H_{O_2})$

9 11 12 ⇒ 11 V

Oct 16-8:44 AM

PS 5-1

≠ 1 – 10

10-30 even

Oct 16-8:47 AM