

Nov 7-7:23 AM

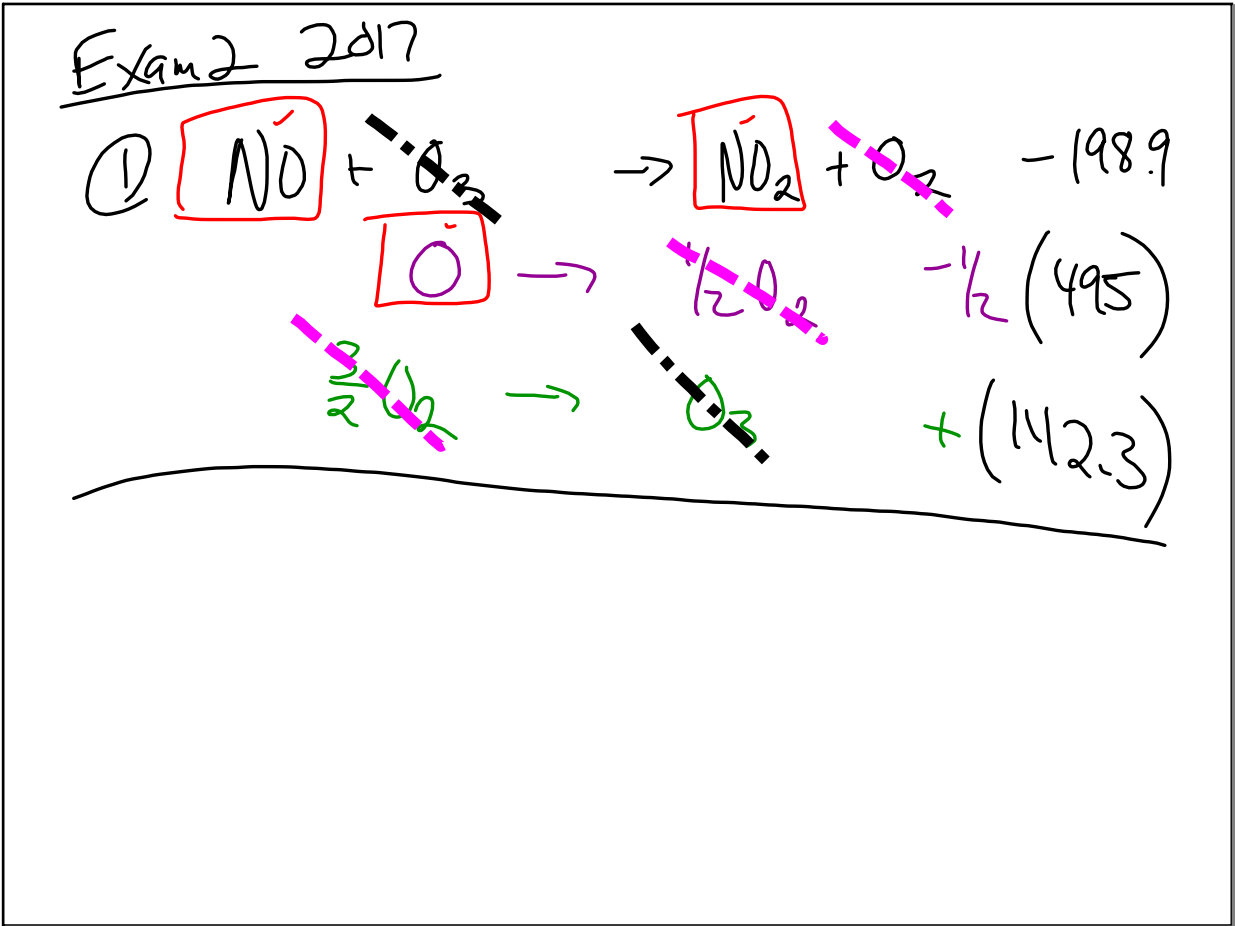
PS7

③! Most stable +2 ox state

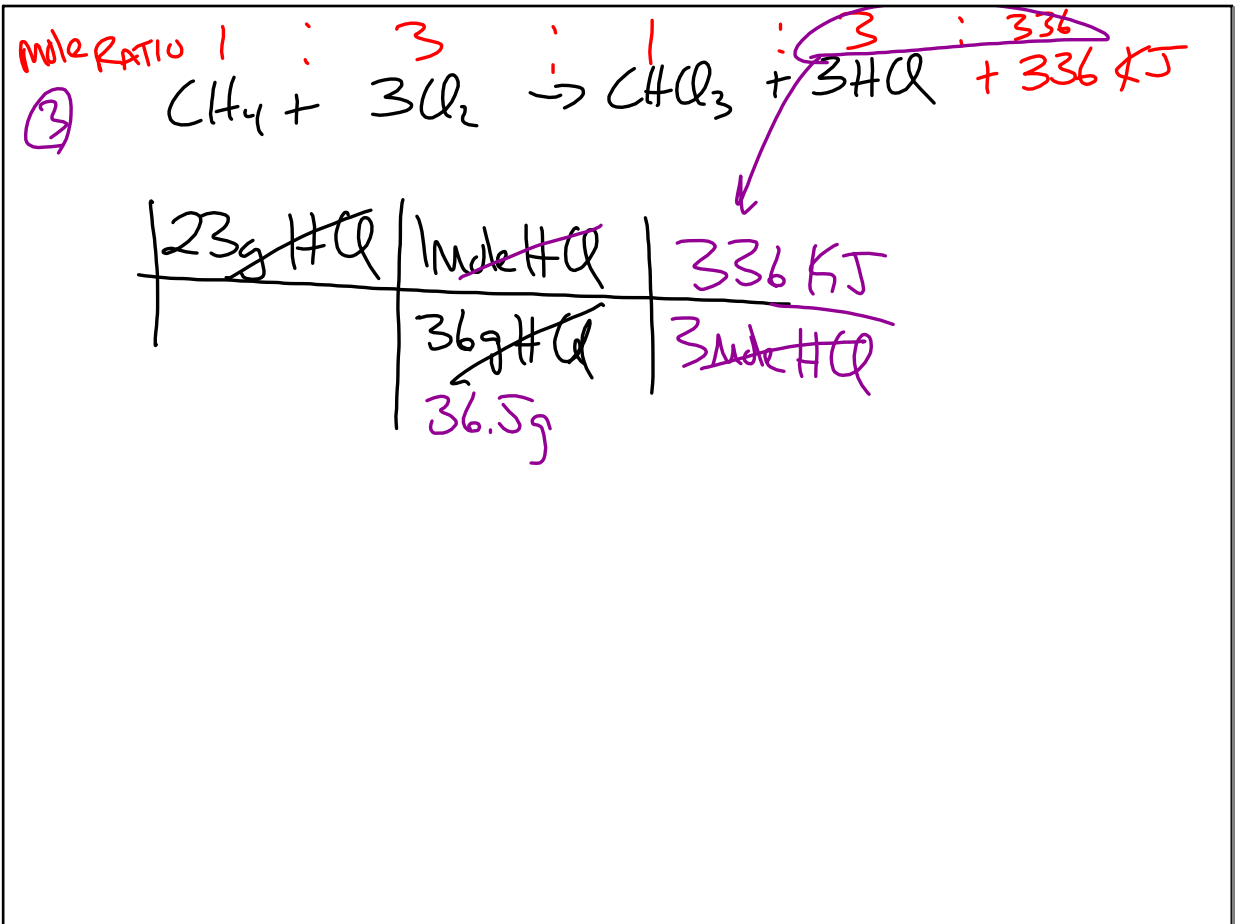
f - can hold 14e<sup>-</sup> (full)

7, 11 'stable'

Nov 7-8:07 AM



Nov 7-8:13 AM



Nov 7-8:20 AM

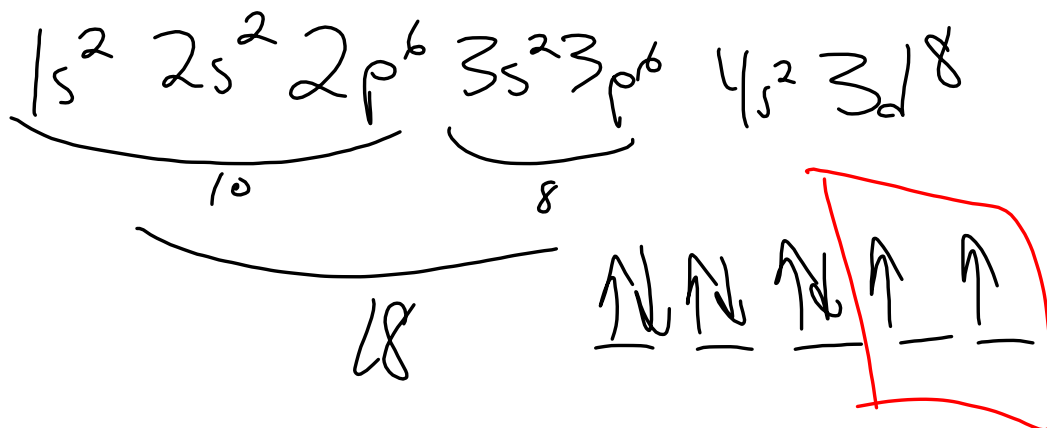
④  $\frac{15.57 \text{ kJ}}{9 \text{ glucose}}$  , 2.5g glucose,  $\frac{20.55 \rightarrow 23.25^\circ}{\Delta T = 27^\circ \text{C}}$

Find  $\text{kJ } ^\circ\text{C}^{-1}$  or  $\left(\frac{\text{kJ}}{^\circ\text{C}}\right)$



Nov 7-8:24 AM

⑤ Ni  $28e^-$



Nov 7-8:27 AM

⑥  $E = R_H \left( \frac{1}{n_1^2} - \frac{1}{n_2^2} \right) = \frac{hc}{\lambda} = hf$

$E = R_H \left( \frac{1}{2^2} - \frac{1}{\infty} \right)$

$E = R_H \left( \frac{1}{4} - \frac{4}{4} \right)$

$E = -\frac{3R_H}{4}$

$\frac{E}{1} = \frac{hc}{\lambda}$

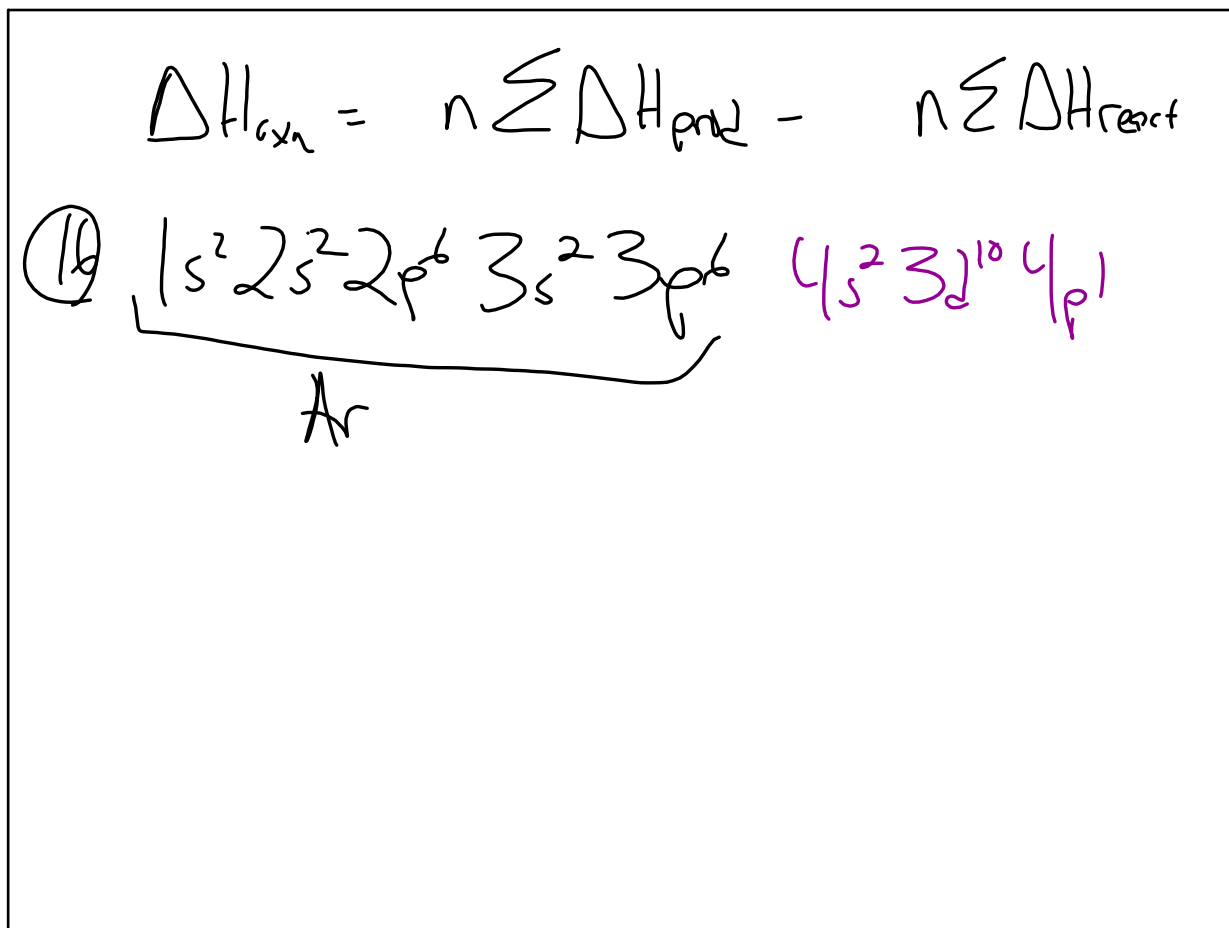
$\frac{7}{1} = \frac{hc}{E} = \frac{hc}{-\frac{3}{4}R_H}$

$= \frac{0.4 hc}{3 R_H}$

$c = f \lambda$

$f = \frac{c}{\lambda}$

Nov 7-8:30 AM



Nov 7-8:34 AM