Purpose:

Describe the changes of energy using an LoL diagram.

WARMUP complete this:

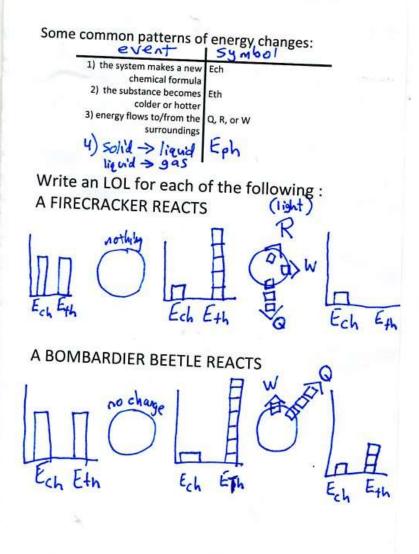
Pass the pen.

Fill one of these in and then pass the pen to someone who hasn't gone yet.

$$3F_{2(g)} + U_{(s)} \longrightarrow UF_{6(g)} \Delta H = -2284kJ$$

Pass the pen. Fill one of these in and then pass the pen to someone who hasn't gone yet. Brainstorm some conversion factors for the above

reaction.	(-2284 kJ)	(1000)
$\overline{22.4 \text{ liters}}$	MoleUF	UF
(238.03 grams)	(1 mobil	(1 mg)
I mole U	22.4 liters)	$\langle 3F_2 \rangle$



- 5%

video David Attenborough describes the Bombardier Beetle

$$4\text{Fe (s)} + 3O_2(\text{g}) \rightarrow 2\text{Fe}_2\text{O}_3(\text{s})$$

 $\Delta\text{H} = -1652 \text{ kJ}$

a. Determine the amount of heat released when 1.00 mol Fe₂O₃ is produced.