

## Table of Contents: Practical Scheme of Work

Page	Outline of Investigation	Topic	Pl. A	Pl. B	DC	DPP	CE <sub>v</sub>	MS	Psa	PS <sub>b</sub>
1	Observing exo/endo	$\Delta H$	X		X	X				
2	Specific heat cap of x	$\Delta H$	X	X			X			
3	$\Delta H$ : ionic compounds LE + HE	$\Delta H$			X	X		X		
4	Zn/Cu <sup>+2</sup> $\Delta H_{rxn}$	$\Delta H$								
5	Hess' Law NaOH+HCl	$\Delta H$								
6	NH <sub>4</sub> Cl $\Delta H_{sol'n}$	$\Delta H$	X	X			X			
7	Hess' law MgO	$\Delta H$								
8	$\Delta H$ Nut/Chip	$\Delta H$								
9	Comparison Phy/Chem/Nuclear	$\Delta H$								
10	$\Delta H$ Alcohols	$\Delta H$								
11	$\Delta H$ CaCO <sub>3</sub> —Hess	$\Delta H$	X	X			X			
12	Thermometric Titration: Acid-base	$\Delta H$								
13	$\Delta H$ Paraffin	$\Delta H$	X	X			X			
14	Effect of Surface Area	Kinetics								
15	TEST: Hess' Law MgSO <sub>4</sub> /MgSO <sub>4</sub> ·7H <sub>2</sub> O	$\Delta H$								
16	Lifesaver & Iceberg	$\Delta H$								
17	Quantitative relationship Kc: H <sub>2</sub> + I <sub>2</sub> → HI	Equilibrium								
18	Rate of rxn simulation	Kinetics								
19	Factors affecting rates of reaction Mg+HCl	Kinetics	X	X	X	X	X	X	X	X
20	Order of rxn: KIO <sub>3</sub> + S <sub>2</sub> O <sub>3</sub> <sup>-2</sup>	Kinetics								
21	Ea for a rxn	Kinetics								
22	Clock rxn	Kinetics								
23	Macro props of Eq	Equilibrium	X	X			X			
24	Simulation of Eq (aqua/cheerios)	Equilibrium		X	X					
25	Observing	Equilibrium								
26	Equilibrium Qualitative (wine maker's lab)	Equilibrium								
27	Rxns of the Halogens	Redox								
28	Electrochemical cells	Redox								
29	Oxidation States of Manganese	Redox								
30	Simple, safe fuel cell	Redox								
31	Ox/Red reactions (II)	Redox								
32	Equilibria between metal & metal ions	Redox								
33	Electrolysis of KI	Redox								
34	Electrolytic cells: electroplating	Redox								
35	Electrolysis of Na <sub>2</sub> SO <sub>4(aq)</sub> , CuCl <sub>2(aq)</sub>	Redox								
36	Properties of Acids/bases	Acid/Base	X			X	X			
37	Acid/base systems	Acid/Base								
38	Finding [H <sup>+</sup> ] with indicators	Acid/Base								

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