## HEATERS AND

Name												
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## REFRIGERATORS

Date\_\_\_\_\_Class\_\_\_\_\_

DON'T GET THIS

IN YOUR EYES!

For experiments 1–3:

- 1. Place 100 ml of líquid in the beaker.
- 2. Measure the temperature and record it on line zero.
- 3. Add one <u>level</u> spoonful of <u>baking soda</u> (NaHCO<sub>3</sub>) and record the temperature every 15 seconds.
- 4. Rinse the beaker and move on to another liquid and repeat the process.

For experiment 4:

- 1. Place 100 ml of water in the beaker.
- 1. Add one <u>level</u> spoonful of <u>calcium chloride</u> (CaCl) and record the temperature every 15 seconds.
- 2. Rinse the beaker thoroughly and place in the drying rack.
- 3. Answer the lab questions.

	NaHCO3	NaHCO3	NaHCO3	CaCl
TIME:	& <u>water</u>	& <u>lemon juíce</u>	& <u>vinegar</u>	& water
O SEC.				
15 SEC.				
30 SEC.				
45 SEC.				
60 SEC.				
75 SEC.				
90 SEC.				
105 SEC.				
120 SEC.				
135 SEC.				
150 SEC.				
165 SEC.				
180 SEC.				
NET CHANGE:				

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For each experiment write the net change in temperature. Be sure to use a "+" for temperatures that increase as in +3 and a "-" for temperatures that decrease such as -6.