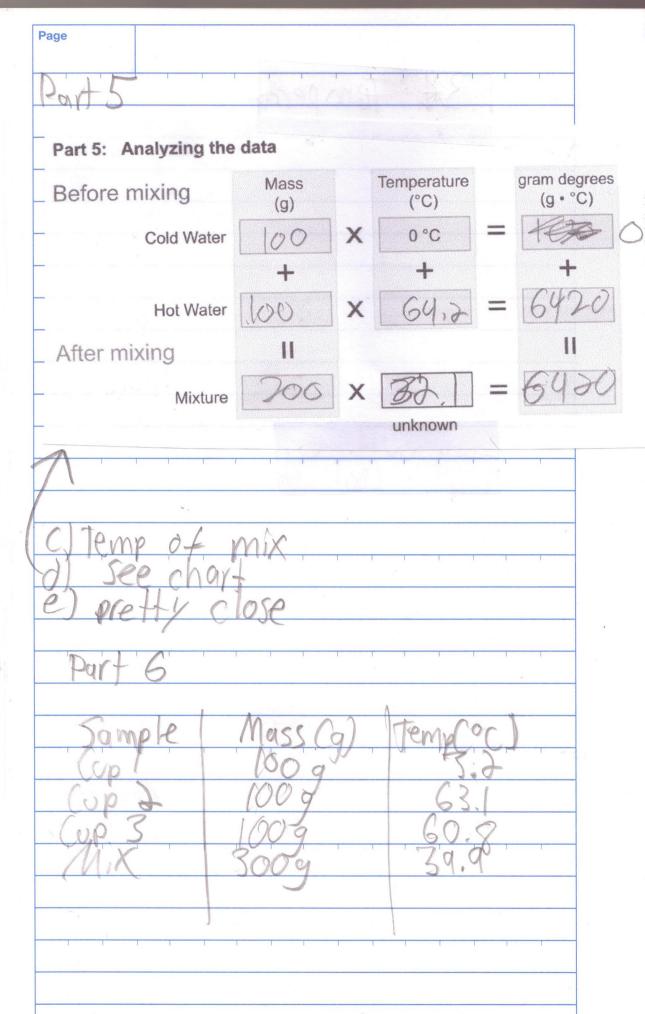
Sample of a Student's Work/Notebook for

A Natural Approach to Chemistry **Investigations 3A-3C**





Lab-Log Page Temperature Emperature des cribes in eat warm up and hot



Part 7

Before mixing	Mass (g)		Temperature (°C)		gram degrees (g • °C)
Cup 1	100	X	0 °C	NEWSTRANS	0
	+		+		+
Cup 2	100	X	63.1	ANTONOON ANTONOON	6310
	+		+		+
Cup 3	100	Х	60.8	Miller of the Control	6080
After mixing					11
Mixture	300	X	413		17390

a) I didn't make a prediction but
it made sense he cause of 2
cups of but water the mix
was hotter agree" means to be
pretty close because of errors that
in accuracy and precision.

b) use chart like part 7
c) if objects are different like
wood i metal
d) same as c

Lab-Log

		Page
Part 3	¥	
a) because there types of material	made of	different
b) still O jarle	S	-
C) 75331 jovles		
d) perfect		
DONT DO E	3	
Part 5		
a) E= mcp CT2-	[]	1 1 1
100=(50)CC 100=209 CT 0.49=Clz-1,	4.18) (7	27.)
b) loog steel @ same te	-	-
c) 1009 stee	1 0 hot	temp 0

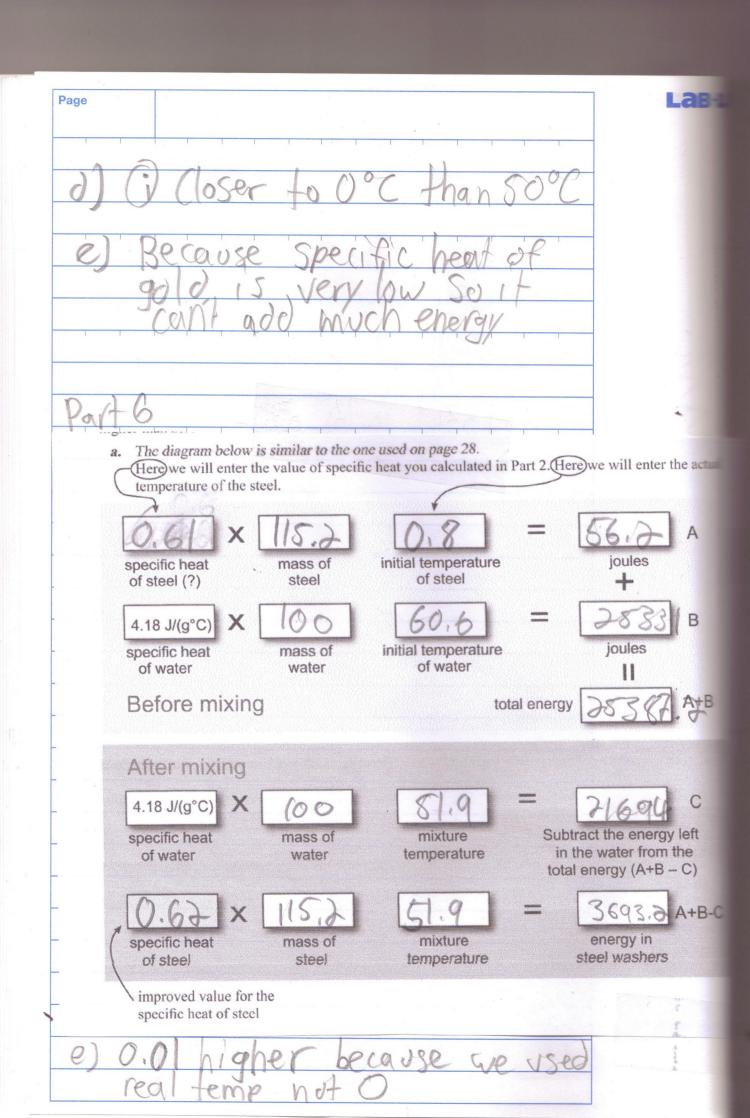
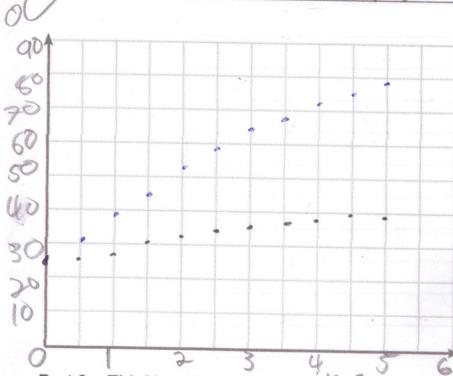


TABLE 1: Water temperature (°C)

(C)					
Time (min)	Heater set to 50°C	Heater set to 100°C			
0.0	2019	34.6			
0.5	26.4	3/12			
1.0	29.6	30,0			
1.5	30.7	46.4			
2.0	32.5	57.8			
2.5	30.1	59.3			
3.0	35.8	64.1			
3.5	36.9	60.2			
4.0	38.0	72.7			
4.5	34.9	76.1			
5.0	34.8	78 8			



Identify three differences and three similarities between the two plots, and write them below.

Similarities:

- 1. 90 up 2. Start same
- 3. don't reach set

mins Part 2: Thinking about it

- might Spill Why is it important not to have too much water in the test tube?
- b. Why do you have to stir the water while heating it? make femple ven
- What was the highest reading you measured on the temperature probe?
- d. Describe the temperature versus time graph. What are the differences between the two plots?