Dear (Names of two classmates),

(name of other solar oven)

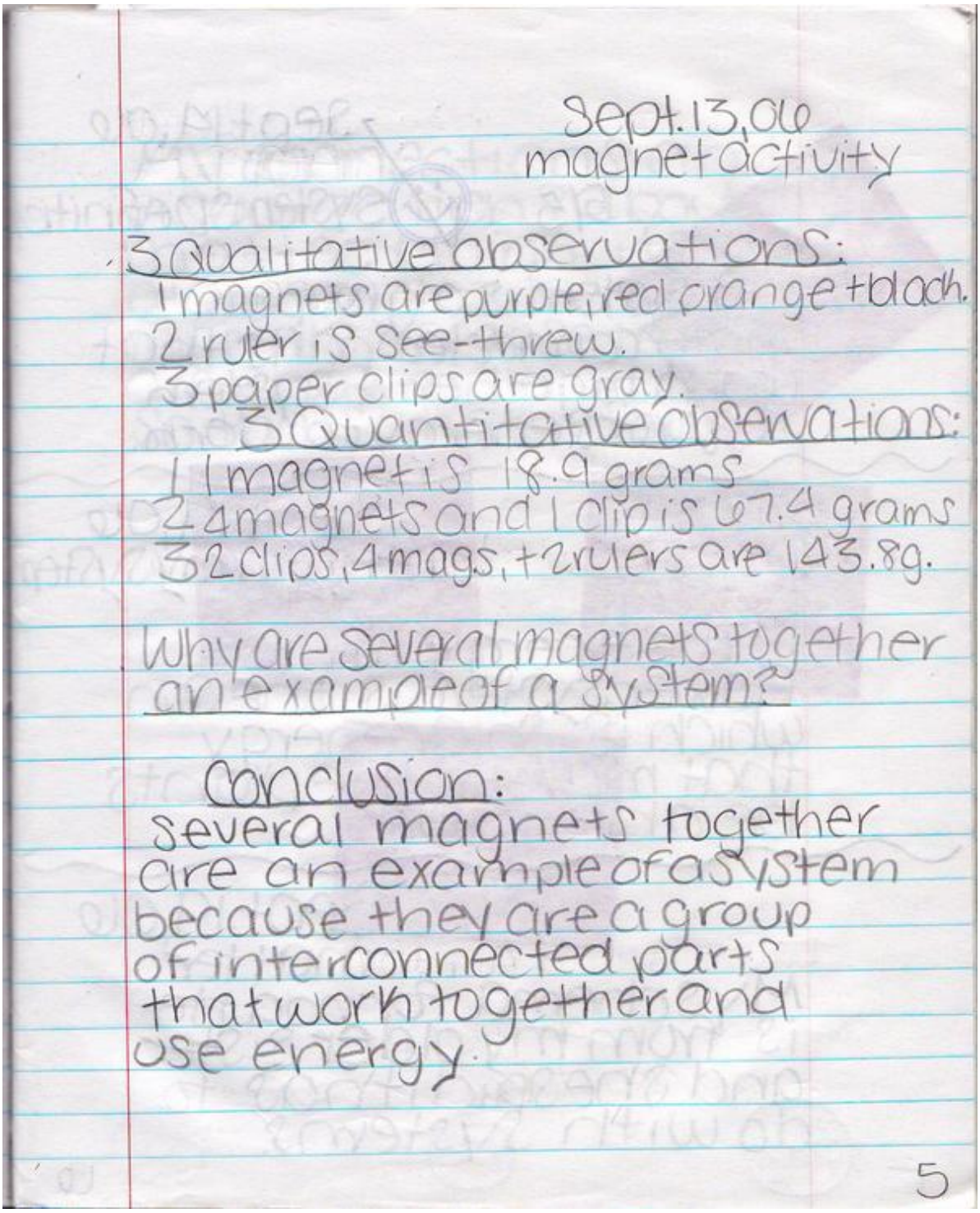
The day project seemed very effective on 'Cooking Day' though our design was very simple. A small paper box with black construction paper around it. This served as the black-bodied absorber, it also is where we cooked the s'mores. Between the walls of the outer box + inner box newspaper was crumbled up and used as insulation. We used a black plastic garbage bag as another absorber, and wrapped it around the outside of the box, this also proved to be insulation. A cassarole dish was the window, and since it stood up rather the lay flat, it absorbed more light/heat. Also, since it wasn't made of plastic, and was a smooth surface, it worked more effective then the plastic wrap. so many used.

Our change was a rather simple one, and I found that it didn't help enough. We added black paper to the outside of our box, trying to attract more heat. Although black paper is effective for this purpose, the heat and light didn't do much when it hits the cardboard. The glass cassarole dish was mainly for transmitting the heat into the box, not the box itself. Although there was a significant temperature change, I believe this to be so mainly on the outside conditions of the sun. Everyones' oven did better then before, including the control. The control oven was not changed, and yet it climbed 4° hotter then the first testing.

But when you changed your oven, you added news paper insulation to your design. As you said, it didn't seem to help alot. Now in your design you put tin foil onto the walls of the larger box, as we did also. But with our oen, the newspaper seemed to serve well,

Middle School Physical Science Example #1

NGSS: PE	NGSS: DCI	NGSS: SEP	NGSS: CC	CCSS: ELA	CCSS: MATH
MS-PS3-3, MS-ETS1-4	PS3.B Conservation of Energy and Energy Transfer	Constructing Explanations and Designing Solutions	Energy and Matter	RST.6-8.1 WHST.6-8.7	MP.2



Sept. 13, 06
magnet activity

3 Qualitative observations:
1 magnets are purple, red orange + black.
2 ruler is see-threw.
3 paper clips are gray.

3 Quantitative observations:
1 1 magnet is 18.9 grams
2 4 magnets and 1 clip is 67.4 grams
3 2 clips, 4 mags, + 2 rulers are 143.8g.

Why are several magnets together an example of a system?

Conclusion:
Several magnets together are an example of a system because they are a group of interconnected parts that work together and use energy.

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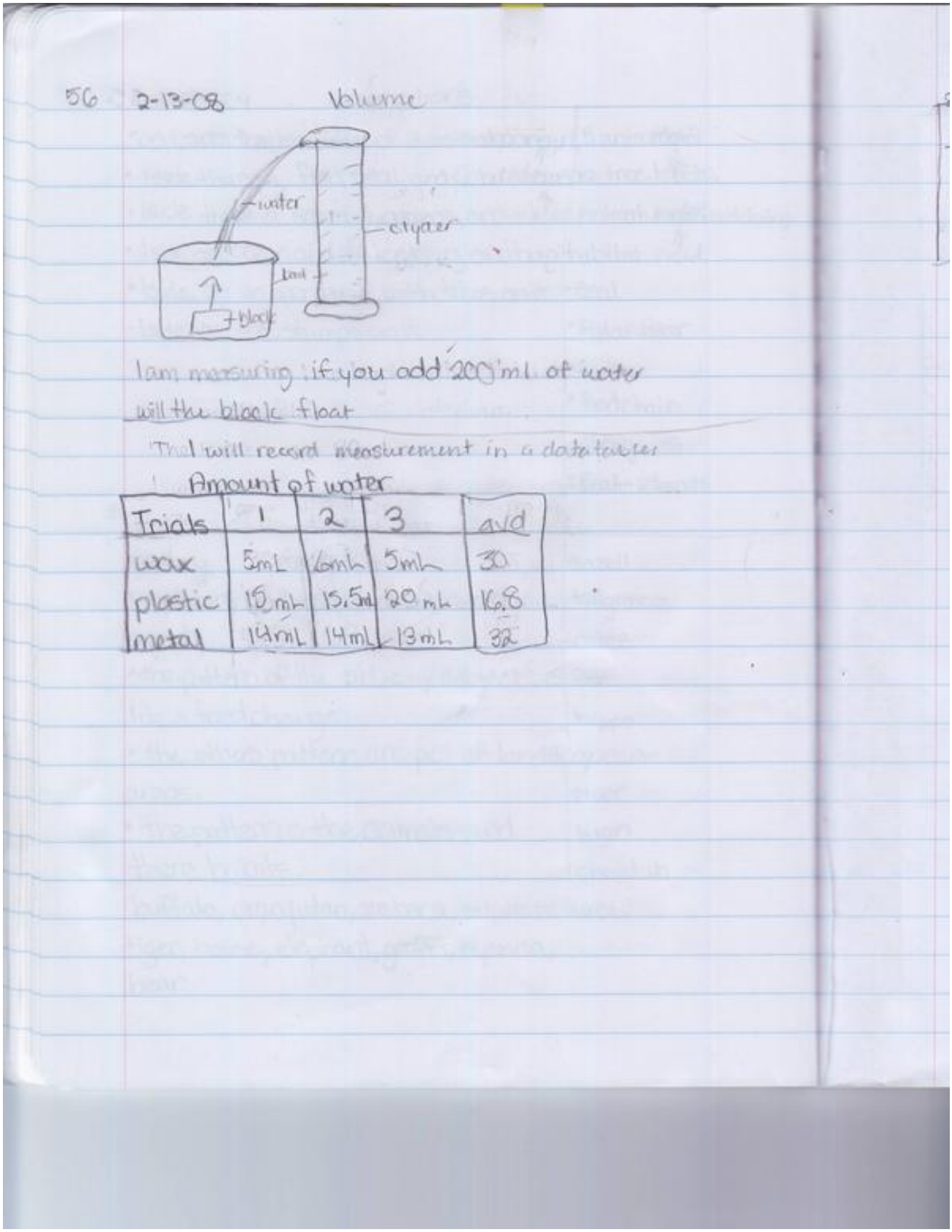
Middle School Physical Science Example #2

NGSS: PE	NGSS: DCI	NGSS: SEP	NGSS: CC	CCSS: ELA	CCSS: MATH
MS-PS2-5	PS2.B Types of Interactions	Planning and Carrying out Investigations	Cause and Effect	RST.6-8.3,WST.6-8.7	MP.2



Middle School Physical Science Example #3

NGSS: PE	NGSS: DCI	NGSS: SEP	NGSS: CC	CCSS: ELA	CCSS: MATH
	PS1.A Structure and Properties of Matter	Planning and Carrying Out Investigations	Patterns	RST.6-8.7, WST.6-8.7	MP.4