

## Combined Materials at a Glance:

## Pre-Level I Chemistry and Level I Chemistry (Exp. 1-5)

\* PLI - Pre-Level I, LI- Level I

\*\* items above the lines are identical, items below the lines are different. No line means no identical items.

Experiment 1		Experiment 2		Experiment 3		Experiment 4		Experiment 5	
Students use different items; PLI students are observing items, LI students are researching items.		Students use mostly identical items; both are making molecule models with marshmallows; PLI also use legos.		Students use mostly identical items; both are testing chemical reactions; PLI students use a measuring cup, LI students use a dropper.		Students use similar items; PLI students use only "food safe" items, LI students use some "non-food safe" items. LI students can also test PLI items.		Students use similar items; PLI students use only "food safe" items. LI students use only ammonia and vinegar.	
Pre-Level I	Level I	Pre-Level I	Level I	Pre-Level I	Level I	Pre-Level I	Level I	Pre-Level I	Level I
magnifying glass	pen	toothpicks	toothpicks	small jars or plastic cups	small jars or plastic cups	small jars or plastic cups	small jars or plastic cups	small jars or plastic cups	small jars or plastic cups
cotton balls	paper	small marshmallows	small marshmallows	baking soda	baking soda	head red cabbage	head red cabbage	red cabbage indicator (Exp. 4)	red cabbage indicator (Exp. 4)
rubber bands	food labels	large marshmallows	large marshmallows	lemon juice	lemon juice	distilled water	distilled water	lemon juice	ammonia
pencil	dictionary	Legos		vinegar (regular and/or balsamic)	vinegar (regular and/or balsamic)	milk	milk	vinegar	vinegar
crackers	encyclopedia			milk	egg whites (or milk)	mineral water	mineral water	baking soda	measuring spoons
cheese	Periodic table of elements			water	sugar	baking soda	ammonia	mineral water	
marshmallow				measuring cup	salt	white grape juice	vinegar	antacid tablet	
bean					eye dropper	grapefruit juice	soda pop	distilled water	
color-coated candy (such as M&Ms)						lemon juice	eye dropper	measuring cup	
						measuring cup	coffee filters		
						antacid tablet			