ABSENT LAB REPORT: Toychem

This rubric will be used to grade the absent laboratory.

Your Name:	_ Period:
Name of Take Home Lab Packet: Flubber	
PURPOSE Of LAB: Write a brief statement of what you are attellines below need to be filled in completely for full credit)	
	/10 points
PRE-LABORATORY QUESTIONS: Copy, complete and attach found in the packet. Each packet has a "Word to Know" section search, a crossword puzzle, or unscramble work activity. If you match the word with the definition & attach that sheet.	n that involves a word
PROCEDURE: Summarize the directions in a numbered format	
(All 5 steps must be filled in for full credit) 1.	/15 points
3.4.	
5.	
OBSERVATIONS: As you are completing the lab write observa (All 4 steps must be filled in for full credit)	tions /10 points
1.What do they look like?	
2.How are they similar & different?	
3.What is happening to the two liquids?	
4.How far can it be stretched?	
5.Can it bounce?What else can you do with Flubber?	

PICTURE OF EXPERIMENT: Using your phone or a digital camera, attach 2 pictures of the home experiment.

PICTURE #1 PICTURE #2

/5 points			/5 points		
EXPERIMENTAL you were to repea			•	what you would do differenter results. /10 points	erently if
CONCLUSION: Mexperiment.	lake a simp	le statemen	t concerning wha	at you can <u>conclude</u> f	rom the
THEORY: 1. Describe the <u>th</u>	e ory demor	nstrated in t	he experiment.	/10 points	
2. Was the purpo	ose of the ex	xperiment fu	ılfilled?		
Circle:	Yes	or	No		
3. Why or why no	t was the pu	urpose of th	e experiment ful	filled? /10 points	

Total Points: /100 points

Chemicals naturally occur in our food. These chemicals can be used for testing household chemicals or making new chemicals

0 r d 9 t 0 k n 0 w

atom—a very, very small particle that makes up all matter

chemical reaction-when two substances combine to create a new substance; often characterized by fizzing, color change, change in

temperature, or reation of light. dissolve—when the molecules of a solid separate and become completely surrounded by the molecules of a liquid.

fluorescent—glows when light is shined onit

molecule-a group of at least two atoms held together in a definite arrangement.

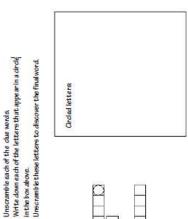
phosphorescent—glows when light is shined on it and continues to glow after light is removed

photochemistry—chemical reactions that use light

polymer—a large molecule that is made of many smaller molecules linked together

solution-a completely uniform mixture

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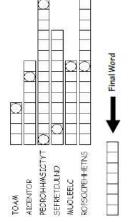


CheM LaB

Take-Home Activities



Chemistry of Toys



Flubber

Make a polymer!

Materials: Container 1 1/2 cup warm water 2/3 cup glue food coloring (a few drops)

Container 2 1/3 cup warm water 1 teaspoon borax

in the box above.

- ci

Words to Know list to solve the Unscramble words from the

double puzzle.



To do and notice:

- 1. Mix the ingredients in each container completely.
 - What do they look like?
 - How are they similar and different?
- 2. Pour the contents of container 2 into container 1. Gently stir the mixture, lifting and turning until only about a tablespoon of liquid is left.
- · What is happening to the two liquids?
- 3. The Flubber will be sticky at first. Continue to work with the Flubber until it becomes more firm.
- 4. Try these experiments with the Flubber.
- · How far can it be stretched?
- · Can it bounce?
- · What else can you do with Flubber?

A closer look:

Glue is made from long molecules called polyvinylacetate. It is a polymer because it is made

Helpful Hint Vinegar dissolves Flubber from clothing, hair, carpet and furniture.

of repeating units of smaller molecules. When you add the borax solution, the borate ions from the borax connect to different places on each glue molecule. This forms a network of glue molecules called cross-linking. The cross-linked glue molecules are not as liquid as the regular glue, but they can still stretch apart and stick back together. This forms the thick, sticky substance called Flubber.