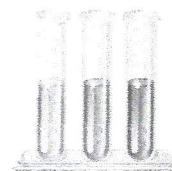


## Science Lab Experiment: A Sticky Situation



**Date:** \_\_\_\_\_

**Topic:** Chemical Reactions

**Question:** *How can you tell if a chemical reaction has occurred?*

**Objective:**

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**Hypothesis about the question:**

**I think a chemical reaction is:** \_\_\_\_\_

**Do you think a chemical reaction will occur when making glue? Why or why not?**

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**Procedure** (AKA steps)

- 1) Pour the vinegar into the milk and use the popsicle stick to stir the liquids together.
- 2) Partner A: hold the coffee filter over the large plastic cup.  
Partner B: pour the mixture through the coffee filter.
- 3) Partner A: Use a popsicle stick to scrape off the solid substance in the coffee filter and place it in the small plastic cup.
- 4) Baking soda will be brought to you by the teacher and added to your mixture.  
Partner B: mix the baking soda in using the popsicle stick.
- 5) Both Partners: Use the popsicle sticks to spread glue on the vocabulary cards and glue them in your science notebook.
- 6) Make your claim. Answer the conclusion question below.

**Observations:**

Describe or draw a picture to tell about what you see throughout the experiment.

Before:

During:

After:

**Claim** (conclusion): (write a complete sentence answer to the question below)

- 1) How do you know that a chemical change occurred in today's experiment?



**product**

**reactant**

**precipitate**

**Chemical reaction**

**Physical change**

**Chemical change**

**product**

**reactant**

**precipitate**

**Chemical reaction**

**Physical change**

**Chemical change**

# Science Exit Ticket

How do you know that a chemical change occurred in today's experiment?

Name: \_\_\_\_\_

Use this space to answer the question. Use complete sentences!!

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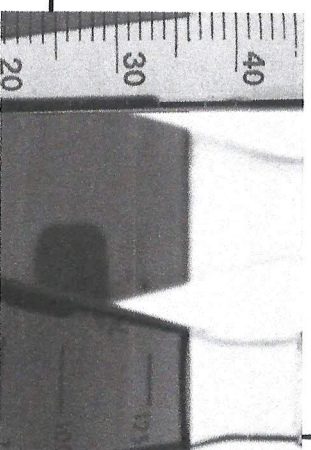
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## Physical Science Unit Test

### Section A

#### Multiple Choice. Circle the correct answer for each.

- Pouring milk into a cup is an example of a:
  - Physical Change
  - Chemical Change
- Adding vinegar to milk is an example of a:
  - Physical Change
  - Chemical Change
- Using a filter to separate a mixture is an example of a:
  - Physical Change
  - Chemical Change
- Adding baking soda to vinegar is an example of a:
  - Physical Change
  - Chemical Change
- New compounds made during chemical reactions are:
  - Malleable
  - Products
  - Reactants
  - Reactions
- About three-fourths of the elements on the Periodic Table are:
  - Alloys
  - Compounds
  - Metals
  - Metalloids
- A mixture of two or more metals is a(n):
  - Alloy
  - Ductile
  - Malleable
  - Reaction
- What happens when iron and oxygen combine to form rust?
  - A mixture is formed.
  - A chemical reaction occurs.
  - A solution is formed.
  - A physical reaction occurs.
- What are the properties of all metals?
  - Metals have luster and low melting points.
  - Metals have luster, are malleable.
  - Metals are dull, soft, and are insulators.
  - Metals have luster, are malleable, and conduct electricity.
- The chemical formula for table salt is NaCl. Which of the following best describes salt?
  - An element
  - A mixture
  - A compound
  - An atom

*Section B*

*Answer the following questions with 3-5 complete sentences.*

**11) Describe an example of physical change.**

**12) Describe an example of chemical change.**

**13) What are the most common elements on Earth, and where are they found?**

**14) How can states of matter change?**

*Section C*

*Answer the following questions with 3-5 complete sentences.*

**15) List the three states of matter and give real life examples of each.**

**16) Compare and contrast a chemical and physical and chemical change.**