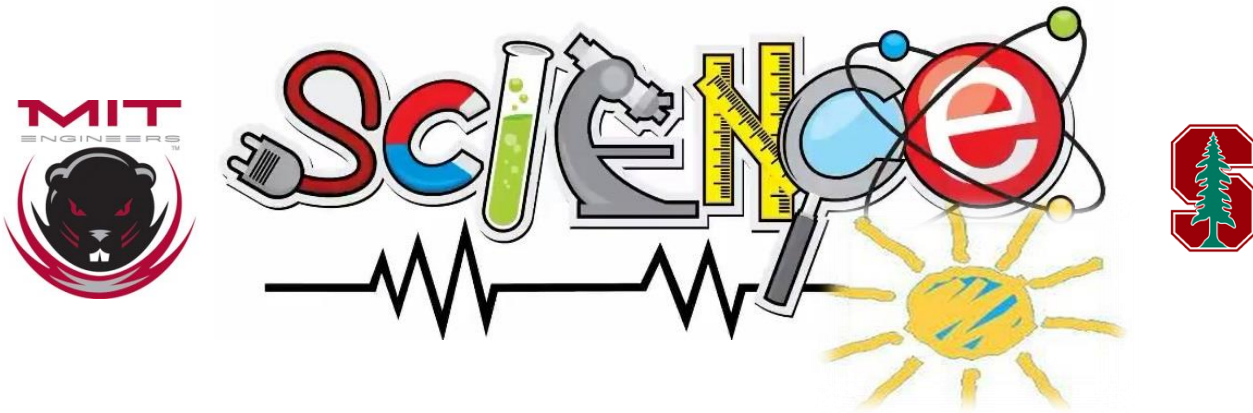




Name _____

5th Grade Science Remote Learning Packet

Week 33



Dear Educator,

My signature is proof that I have reviewed my scholar's work and supported him to the best of my ability to complete all assignments.

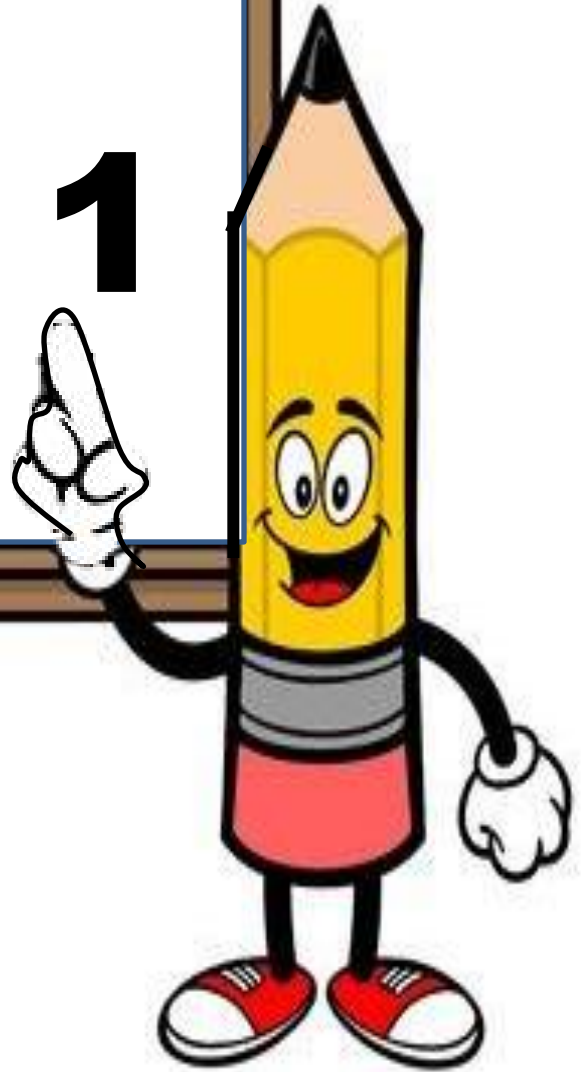
(Parent Signature)

(Date)

Parents please note that all academic packets are also available on our website at www.brighterchoice.org under the heading "Remote Learning." All academic packet assignments are mandatory and must be completed by all scholars.



Day # 1



Name: _____ Week 33 Day 1 Date: _____

BCCS-B

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Chemical Magic Study Guide

DAY 1:

The Question: What is one thing you learned about chemicals this unit? _____

Vocabulary: Fill in the blanks with the colored words from the PowerPoint.

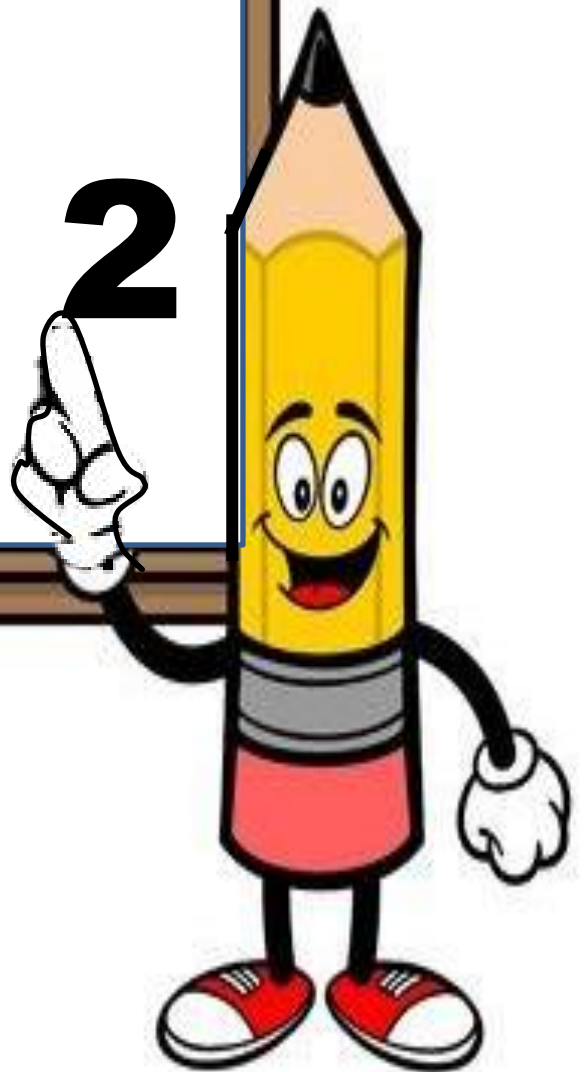
1. **Alchemist:** a member of a _____ group of people who _____ together different substances, with the hope of becoming rich (such as creating gold)
2. **Chemical:** any _____ that can _____ with some other substance
3. **Chemical Reaction:** occurs when two or more substances are _____ and result in a _____ substance
4. **Property:** any _____ of a _____, such as its solidness, color, how it feels, and so on
5. **Oxidation:** to become _____ with _____
6. **Steel:** a strong, hard _____ made of _____ and _____
7. **Copper:** a _____ that allows heat and electricity to pass through it easily
8. **Reactant:** a substance that _____ when it is _____ with another substance in a chemical reaction
9. **Reactive:** tending to _____ into _____ when mixed with another substance
10. **Indicator:** a _____ that _____ the condition or _____ of something
11. **Explode:** to suddenly _____ in a violent way with parts flying outward
12. **Explosion:** the sudden, loud, and violent _____ that happens when something (such as a bomb) _____ in a way that sends parts flying outward
13. **Particle Model:** used to explain the _____ of solids, liquids and gases; describes the _____ and movement of _____ in a substance
14. **Acid:** a group of _____ that are very _____ and have in common the fact that they taste _____, can dissolve metals, cause a burning feeling, and so on

Clip with Doug: *After the clip, answer the following question using a complete sentence.*

What happened to the sugar in the tea? _____



Day # 2



Name: _____ Week 33 Day 2 Date: _____

BCCS-B

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DAY 2:

Mixing Substances: *As we go through the next few slides, fill in the blanks.*

What happens when you mix these powders with water?

Baking soda: _____

Baking powder: _____

Salt: _____

What happens when you mix these powders with vinegar?

Baking soda: _____

Baking powder: _____

Salt: _____

How can we figure out what the 3 unknown powders are, using the known liquids? Write down at least one idea. _____

Circle the results during the demonstration.

Water:

Powder A results: It fizzes. It does nothing.

Powder B results: It fizzes. It does nothing.

Powder C results: It fizzes. It does nothing.

Vinegar:

Powder A results: It fizzes. It does nothing.

Powder B results: It fizzes. It does nothing.

Powder C results: It fizzes. It does nothing.

Based on your results, what is each powder? Write down your answer.

Powder A is _____.

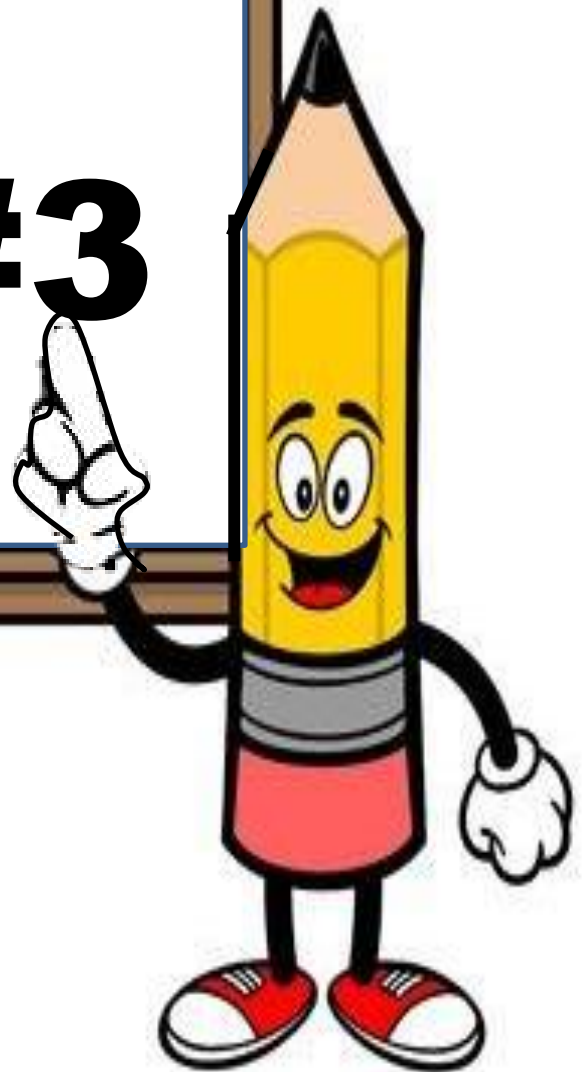
Powder B is _____.

Powder C is _____.

How were you able to determine which powder was which? _____



Day #3



Name: _____ Week 33 Day 3 Date: _____

BCCS-B

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Unit Assessment



1. Mia, Kayla, and Eli have all set up lemonade stands in their neighborhood. Each person started with the same amount of lemon juice and then added different amounts of sugar, as shown in the table below. Fill in the table with the total weight of each person's lemonade.

	Lemon Juice	Sugar	Total Weight of Lemonade
Mia	200 grams	10 grams	
Kayla	200 grams	20 grams	
Eli	200 grams	30 grams	



2. Sadly, Mia, Kayla, and Eli didn't sell any lemonade. So they all decide that they will turn their lemonade into popsicles. All they do is take the lemonade they made the day before and freeze it. Circle **True** or **False** for each sentence.

True False Eli's popsicles will taste sweeter than Mia's popsicles or Kayla's popsicles because there is more sugar in them.

True False Eli's popsicles will weigh slightly more than Mia's popsicles or Kayla's popsicles because there is more sugar in them.

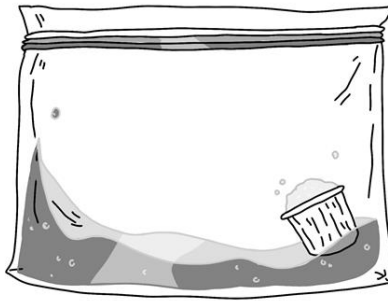
True False Eli's, Mia's, and Kayla's popsicles will all be exactly the same.

Laila empties her piggy bank and finds ten dull, brown pennies. Laila wants her pennies to look shiny, so she performs an experiment. First, she pours salt and vinegar into a container. Then, she adds the ten pennies and waits a few minutes. When she takes the pennies out of the salt and vinegar solution, they look shiny and new!



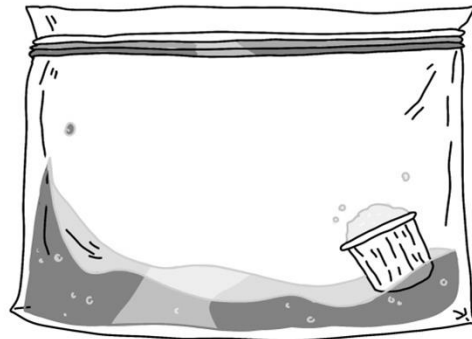
3. If Laila weighs the salt and vinegar solution and the pennies **after** the experiment, what do you think she will find?

- The solution will weigh more and the pennies will weigh less after the experiment.
- The solution will weigh less and the pennies will weigh more after the experiment.
- The solution will weigh the same and the pennies will weigh the same after the experiment.
- The solution will weigh the same and the pennies will weigh less after the experiment.



4. The picture above shows a sealed plastic bag filled with vinegar at the bottom. A cup of baking soda is about to mix with the vinegar. When the baking soda mixes with the vinegar, bubbles will form and the plastic bag will start to expand. Why does the bag expand? In the picture above, draw what happens inside the bag. Use arrows and words to explain your drawing.

5. If two cups of baking soda are added to the vinegar in the bag, describe how that would change your model from Question 5.



- a. The 2 cups of baking soda will react with the vinegar in the same way as it did with 1 cup of baking soda.
- b. If more baking soda mixes with the vinegar, this will create more gas particles. With more gas particles inside the bag, they will push even more on the bag so it is much more likely that the bag will explode.
- c. There will be no difference in the bag when you mix 2 cups of baking soda than 1 cup of baking soda.
- d. When you mix 2 cups of baking soda with the vinegar, the substances will mix and turn into a solid because they will have nowhere to go.

Vocabulary

Fill in each blank below by choosing the best word from the Vocabulary Word Bank. Not all words will be used.

Vocabulary Word Bank:

acid	alchemist	chemical
chemical reaction	copper	explode
explosion	indicator	oxidation
particle model	property	reactant
reactive	steel	

1. A(n) _____ is any substance that can react with some other substance.
2. A(n) _____ is any trait of a substance, such as its solidness, its color, how it feels, and so on.
3. A(n) _____ occurs when two or more substances are mixed together and result in a new substance.
4. A(n) _____ is a member of a historical group of people who mixed together different substances, with the hope of becoming rich (such as creating gold).
5. _____ are a group of substances that are very reactive and have in common the fact that they taste sour, can dissolve metals, cause a burning feeling, and so on.
6. _____ is to become combined with oxygen.
7. Tending to change into something else when mixed with another substance is considered to be _____.
8. _____ is a strong, hard metal made of iron and carbon.
9. A(n) _____ is used to explain the physical properties of solids, liquids, and gases. It describes the arrangement and movement of particles in a substance.
10. To suddenly break apart in a violent way with parts flying outward is to _____.



Scholars, today we will be referring to the PowerPoint.