Crottivity winds \[\text{MIXTURES & SOLUTIONS} \]

IF YOU'RE NOT PART OF THE solution,

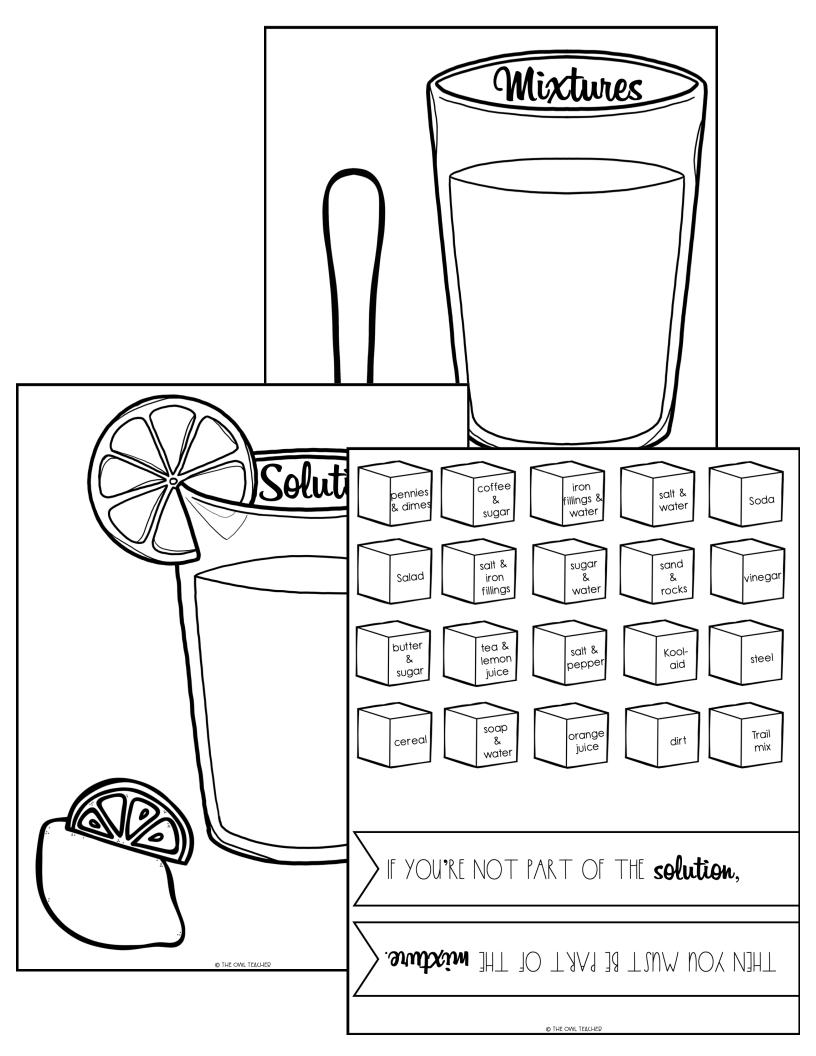
THEN YOU MUST BE PART OF THE mixture.



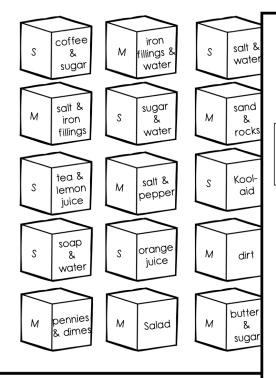


created by the out teacher

	Name) ///A T. TECHNIO	IE 10 110EN 2			
	WHAT TECHNIQUE IS USED? Below is a list of different mixtures. Predict which technique would be appropriate for separating the mixtures and justify your answers by describing the properties of the materials that allow it to be separated. Techniques					
	Filtering Floating	Evaporating Settling Out	Using Magr Hand Sortir			
	1.) Lettuce and tomato	salad	Name Wixtures and Solutions Read the choices below in the word bank. Then choose the correct mixture for each category.			
	2.) Iron nails and sawd	lust	bananas and grapes drink mix and water liquid dish soap and water pebbles and soil		 air lemonade spaghetti and meatballs sand and water	
	3.) Sand and rice		Mixture		Solution	
A mixture particular Some r mix. Ot called a solution Mixture can us near the Look a where more) a	ure is a material that can es are not joined togethe mixtures are combined in ther mixtures look the sar solutions. An example of an. es and solutions can both e a magnet, a filter, or evene bottom or float to the tot the texamples below and it is hard to tell the two s	be separated into two or more r chemically. a way that is not even. It is cleme throughout and are mixed ear solution would be salt mixed in the separated. Some can be seen evaporation. Sometimes sub	pure substances. These ear it is a mixture such as trail evenly. These are still mixtures in with water, or a salt water parated by hand, while others stances will separate and settle ed. If they are evenly mixed . If it is easy to tell the two (or	there.	2. 3. 4. 4. In) and explain why one of the mixtures you HE OWL TEACHER	
4.) A so	alad	5.) Chocolate Milk	6.) Bottle of soda			



ANSWFR KFY



Name Key

WHAT IS A MIXTURE? WHAT IS A

A mixture is a material that can be separated into two or more pparticles are not joined together chemically.

Some mixtures are combined in a way that is not even. It is clear mix. Other mixtures look the same throughout and are mixed ever called solutions. An example of a solution would be salt mixed in solution.

Mixtures and solutions can both be separated. Some can be separated a filter, or even evaporation. Sometimes substinear the bottom or float to the top.

Look at the examples below and think about how they are mixed where it is hard to tell the two substances apart, it is a solution. If it is earner) substances apart, it's a mixture. Write what you think it is on the l

1.) A pitcher of Kool-Aid

2.) Cereal and milk



Solution

Mixture

4.) A salad

5.) Chocolate Milk





Mixture

Solution

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Name Key - Answers May Vary. Look for reasonableness

WHAT TECHNIQUE IS USED?

Below is a list of different mixtures. Predict which technique would be appropriate for separating the mixtures and justify your answers by describing the properties of the materials that allow it to be separated.

Techniques

Filtering Floating Evaporating Settling Out Using Magnets Hand Sorting

1.) Lettuce and tomato salad

Hand sorting. The tomatoes are large enough to pick up by hand.

2.) Iron nails and sawdust

Using Magnets. The iron nails are magnetic.

3.) Sand and Rice

4.)

5.)

3.)

6.

Settling Out/Floating. (Add water) The rice will float to the top while the sand will settle to the bottom. Then just scoop the rice out.

Name <u>Key</u>

Mixtures and Solutions

Read the choices below in the word bank. Then choose the correct mixture for each category.

- bananas and grapes
- drink mix and water
- liquid dish soap and water
- nd water
- pebbles and soil
- air
- lemonade
- spaghetti and meatballs
- sand and water

Mixture	Solution
bananas and grapes 1.	drink mix and water
pebbles and soil 2.	liquid dish soap and water 2.
spaghetti and meatballs 3.	air 3.
sand and water 4.	lemonade 4.
Select a category above (mixture or solution blaced in that category belongs there. Answers may vary. Look for justific	on) and explain why one of the mixtures you ation

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DIRECTIONS PAGE

- 1.) Complete the worksheets provided.
- 2.) Color the banner provided. Then cut it out and glue the two ends together to make one long rectangle banner.
- 3.) On the lemon of the lemon and lemon wedge write the definition of what a solution is. Then color it and cut it out. Color lightly so you can read the writing on it.
- 4.) On the spoon, write the definition of what a mixture is. Then color it lightly and cut it out.
- 5.) Color both the solutions cup and the mixtures cup. Then cut them out.
- 6.) Get a large (12" x 18") piece of construction paper.
- 7.) Near the top glue down your banner.
- \$.) On the left, glue down your solutions cup. Then glue down the lemon wedge piece next to the cup.
- 9.) On the right, glue down your mixtures cup. Then glue down the spoon piece next to the mixtures cup.
- 10.) Color the cubes lightly (so you can still read the writing). Place an S on the cube if it is a solution and a M if it is a mixture. Then cut them out.
- 11.) Glue the cubes in their appropriate cups.
- 12.) Write your name on the back and turn it in.

