

Use the sentence stem to complete the activity.

I would use _____ tool to separate _____, because _____.

Which tool (or tools) would you use to separate the following mixtures?

1. Sand and Rocks

2. Iron Filings and Salt

3. Salt and Sand
(multiple tools)



Magnet



Strainer



Hot Plate



Coffee Filter



Bowl of Water

Use the sentence stem to complete the activity.

I would use _____ tool to separate _____, because _____.

Which tool (or tools) would you use to separate the following mixtures?

1. Paperclips and Rocks

2. Wood chips and Marbles

3. Salt and Water



Magnet



Strainer



Hot Plate



Coffee Filter



Bowl of Water

Tools

 Magnet	 Strainer	 Hot Plate	 Coffee Filter	 Bowl of Water
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 Magnet	 Strainer	 Hot Plate	 Coffee Filter	 Bowl of Water
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 Magnet	 Strainer	 Hot Plate	 Coffee Filter	 Bowl of Water
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 Magnet	 Strainer	 Hot Plate	 Coffee Filter	 Bowl of Water
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Anytime you combine two different things, you make a...

- Solution
- Mixture
- Combination
- Salad



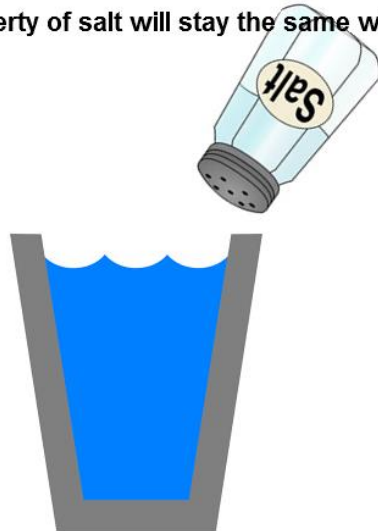
The iced tea is an example of a...

- Solution
- Mixture
- Combination
- Salad



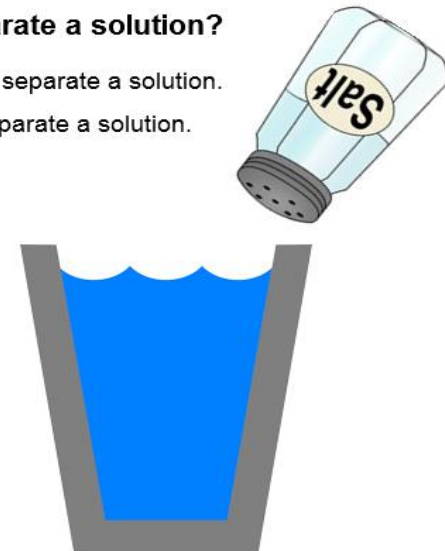
Which physical property of salt will stay the same when dissolved in water?

- Size
- Texture
- Color
- Taste



Is it possible to separate a solution?

- No it is not possible to separate a solution.
- Yes it is possible to separate a solution.



Item sheets

<p>Sugar cubes</p> 	<p>Wood Chips</p> 	<p>Iron filings</p> 
<p>Glass Marbles</p> 	<p>Water</p> 	<p>Large Rocks</p> 
<p>Paperclips</p> 	<p>Salt</p> 	<p>Sand</p> 
<p>Oil</p> 	<p>Iron nails</p> 	<p>Wood toothpicks</p> 
<p>Chex mix</p> 	<p>Kool aid</p> 	<p>Small Rocks</p> 

Pick two items from the item sheet and mix them together in the bowl below. Explain the steps you would use to separate this mixture and what tools you would use to assist you.



Step 1 _____

Step 2 _____

Step 3 _____

Step 4 _____

Pick three items from the item sheet and mix them together in the bowl below. Explain the steps you would use to separate this mixture and what tools you would use to assist you.



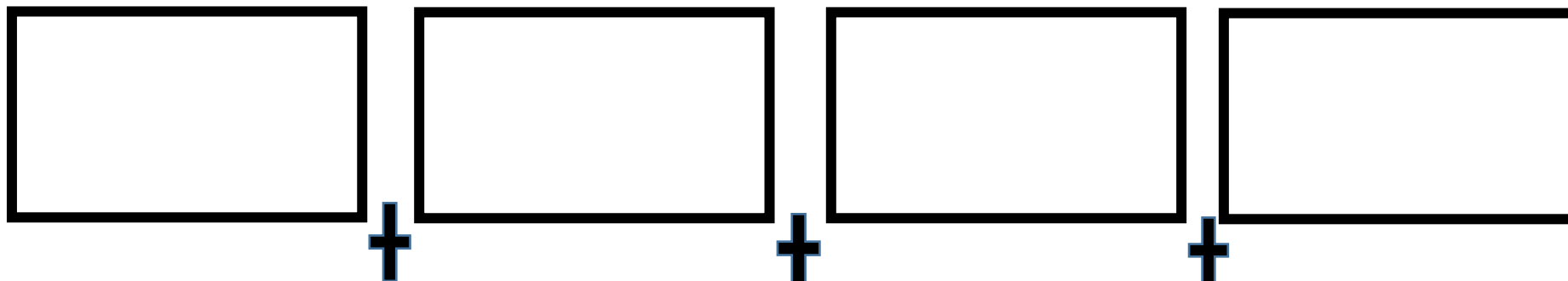
Step 1 _____

Step 2 _____

Step 3 _____

Step 4 _____

Pick four items from the item sheet and mix them together in the bowl below. Explain the steps you would use to separate this mixture and what tools you would use to assist you.

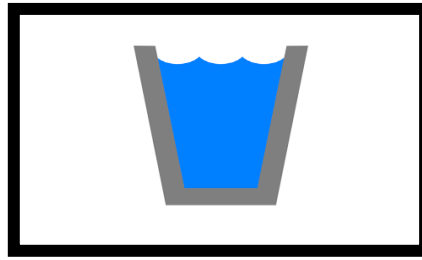


- Step 1 _____
- Step 2 _____
- Step 3 _____
- Step 4 _____

We added sugar, water and sand to the bowl below. Use pictures to explain the steps you would use to separate this mixture and what tools you would use to assist you.



+



+



Step 1



Step 5



Step 2



Step 3



Step 4

