



Shutout Solutions

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*What we are
Teaching*

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- What is a solution?
- Salt Water Solutions
- Examples of solutions

What is a Solution

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A solution is a mixture where the solute dissolves into the solvent. Take salt and water for example the salt dissolves into the water. Some people think that the salt just goes away but really the salt just dissolves and becomes a solution. We know this because of the experiment we did, by putting the same amount of water in two cups, and adding salt to one of them and then when we mixed the cup we put salt in was heavier than the one we didn't so we know that it just dissolved and it didn't just go away.

Salt Water Solutions

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One question people commonly ask is “Where does the salt go when it is mixed with water?” and to that I say it doesn't go anywhere it basically just spreads out. What you would call this is dissolving but what happens is the particles of the salt crystals break up and spread out into the water. When this happens it makes it where the salt particles are so tiny you can't see them any more.

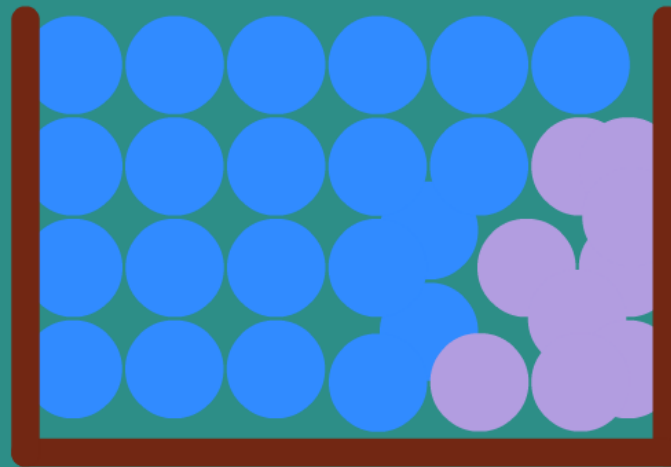
Examples of Solutions

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You actually see lots of solutions everyday
here are a few examples.....

- Soup
- Gatorade
- Salt Water
- Sugar Water (like in bird feeders)
- Koolaid

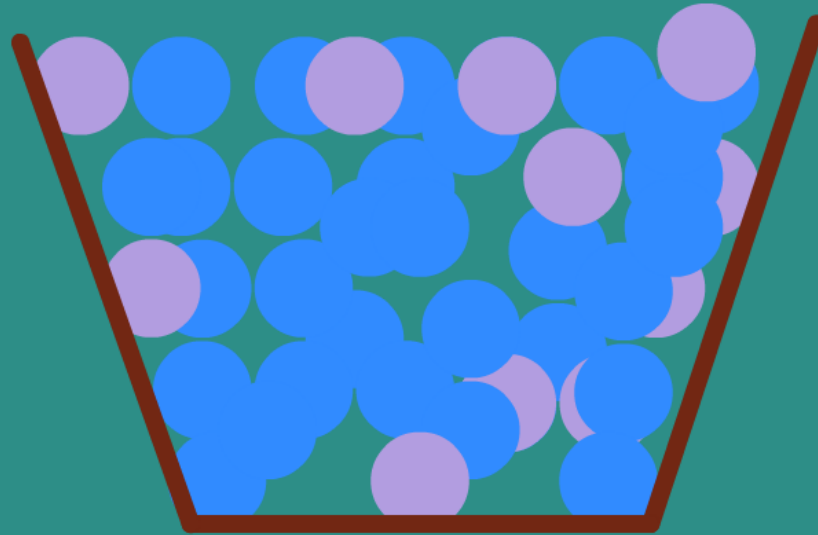
Diagram



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