Kids Chemistry

10 pages of interesting and fun experiments.

Guided by lab teacher

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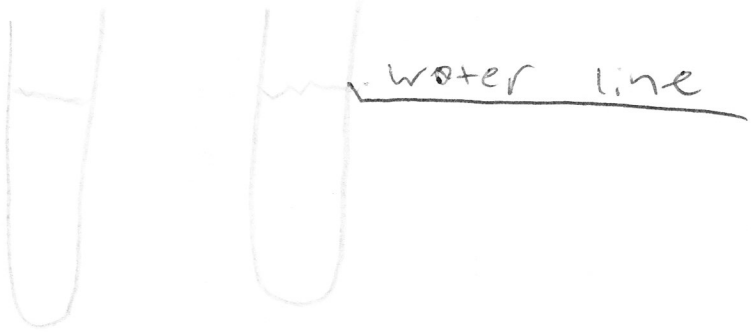
Dissolve?

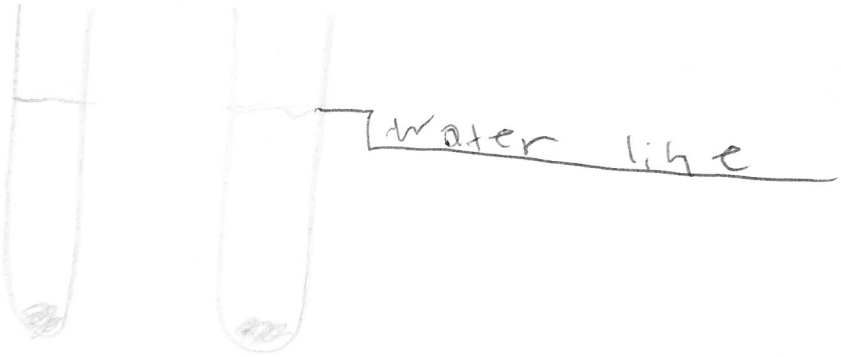
You will need

- 2 test tubes
- salt
- sugar

1.Fill both test tubes 3/4 full with water.



2.Put two scoops of salt into one and sugar into the other.



3.Shake each one for one minute. Do they both dissolve, dose only one dissolve?

salt **yes____** **no_____**

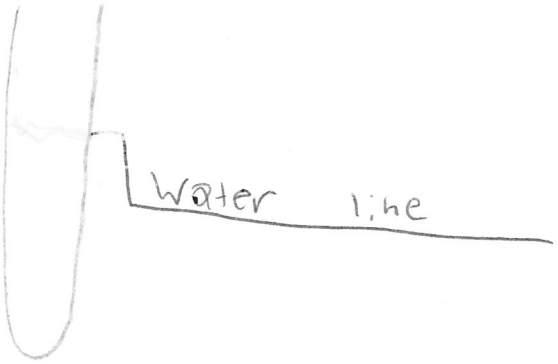
sugar **yes____** **no_____**

Participate

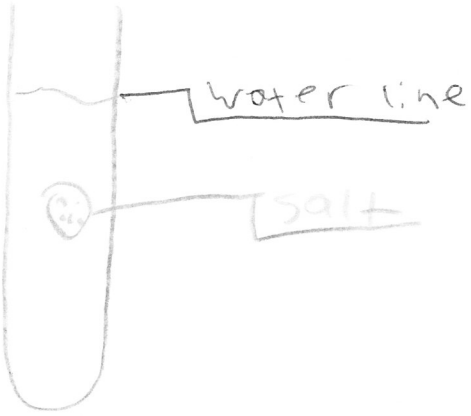
You will need

- one large test tube
- salt

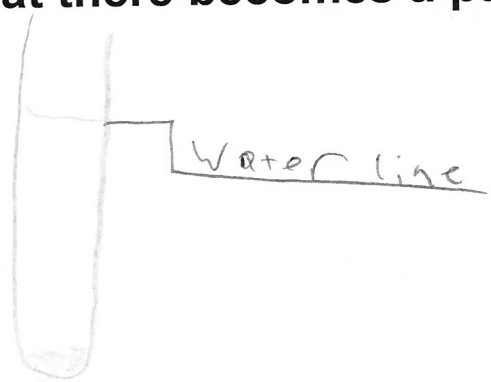
1.Fill the test tube 3/4 up with water.



2.Pour the salt into a cup and put 1/2 scoop full of salt in at a time and after each one shake until dissolved.



3.Do that enough that there becomes a participate at the bottom.



Evaporation

You will need

- 1 petri dish
- salt
- 8cc beaker
- test tube

1.Fill a petri dish with 5cc of water.

2.Put 6cc of of water into the test tube and four scoops of salt and shake for one minute. Then pour into the petri dish.

3.Let petri dish sit with lid <u>off</u> until all the liquid has evaporated.

4.Look at the residue under a microscope and with your eyes.

More evaporation

You will need

- all the supplies for evaporation
- +one more petri dish

1.Make the solution you made for "evaporate"

2.Let that sit.

3.Now scrape of the salt from the petri dish you used in "evaporation" and put that in 11cc of water and shake.

4.Now pour into a new petri dish.

5.Let both sit until liquid is all gone and do they look the same? Dose the new one have more residue or less.

6.Try using different chemicals and doing the same process, dose the same thing happen? Do some chemicals evaporate into the air?

Its Alive

You will need

- yeast
- petri dish
- burner
- sugar
- large test tube

1.Boil 15cc of water in the test tube for 7 seconds.

2.pour the boiling hot water into the petri dish and let it sit for 20 minutes.

3.Then sprinkle yeast to cover 1/2 of the surface.

4.Next sprinkle the sugar of the yeast and do NOT let the water become saturated.

5.Let the yeast sit for 1-2 hours and look with the eye and the microscope.

6.Try feeding the yeast different chemicals.

Bubble Bubble Fizz Fizz

You will need

- sodium carbonate
- vinegar
- 2 test tubes
- funnel

1.Fill one test tube 1/4 full with vinegar.

2.Fill another test tube 1/2 full of water.

3.Pour 1 scoop of sodium carbonate into the water and shake until dissolved.

4.Watch closely and pour the sodium carbonate through the funnel into the vinegar.

5.Does any other chemical do the same thing, try a little of three chemicals and do the same thing.

Another kind of fizz bubble

You will need

- baking soda
- vinegar
- pipette
- vial
- large test tube

1.Put five scoops of baking soda into a vial.

2.Pour 5cc of vinegar into a large test tube.

3.Pour the vinegar into the vial.

4.Does the reaction stay the same as bubble bubble fizz fizz.

5.Do the process backwards, does it do the same thing.

6.Measure exactly how much baking soda and vinegar you put in and measure how high the fizz goes and write a statement.

_____

_____

_____

7.Try boiling the vinegar.

Dissolve or not Dissolve

You will need

- 6 test tubes
- 1 petri dish
- burner
- test tube holder
- pipette

1.Put you six test tubes into the holder.

2.Fill each test tube 1/2 full of water.

3.Then put 1/2 of a scoop of one chemical into each of the six test tubes.

4.Shake each test tubes for 15 seconds.

5.Now record witch chemicals dissolves and witch do not.

Chemical	yes	no	date

Dissolve or not dissolve

The continuum

You will need

- all the supplies for dissolve or not dissolve

1.Get the six test tubes with one chemical in each.

2.Get one test tube with a chemical that dissolved, and one that did not.

3.Boil both of them, does it stay a mixture, does it become one.

4.Pick a different test tube and pour it into a petri dish and add yeast and sugar. Does the yeast grow?

5.Pick two more and find out if it carries die.

6.Smell each one, is it potent?