



Minds in Motion

Activity Rundown:

Finally, a way to use those Marshmallow Peeps up, after easter. Join minds in motion in a fun experiment using household materials to understand what different acids can do! Best to start this one early and watch it over several days!



You will need:

- At least four glasses
- Marshmallow Peeps.
- Measuring cup
- Water
- Apple juice
- Lemon juice
- Vinegar
- Tape
- Marker

Let's do it!

- 1) Start by gathering all your materials!
- 2) Now fill each glass about half full. One cup with each of the following, water, apple juice, lemon juice and vinegar.
- 3) Label each glass so we dont forget what is in each one.



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- 4) Now start by making a prediction on what will happen to each Peep after we put it in the liquid?
- 5) Add one peep to each glass!



- 6) Now we can observe how the peeps react to the liquids over the course of several days. Pick a time, maybe each morning right after breakfast to check on the peeps.
- 7) Did your prediction come true?

Background information:

This Experiment shows the ability of liquids with different acidities to dissolve the Peep, which is primarily made of sugar and gelatin. The sugar from the peeps will dissolve in every liquid, however the more acidic the solution is the more the gelatin structure of the peep will dissolve. Water having a close to neutral PH will dissolve only the sugar that was submerged, leaving the peep mostly intact. However each of the other liquids will also dissolve some of the gelatin causing more of the peep to sink into the liquid and dissolve. Which glass dissolved the most? Can you figure out which is the most acidic?

Resources:

- 1) <https://lemonlimeadventures.com/dissolving-peeps-simple-easter-science-experiment/>

Reach out!



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We would love to hear from you about all the amazing STEM projects you are doing at home! Show us your finished products on any of the following social media platforms by tagging us or by using the following hashtags. We hope these projects have brought some excitement to your day during these difficult times.

Let us know how we did! Please [click here](#) to fill out a short survey on how well we did and what you would like to see more of in the future. Thank you!

Twitter: **@MyMindsInMotion**

Facebook: **@mindsinmotion2014 & @ucactiveliving**

Instagram: **@ucalgaryactive**

Please use the following hashtags!

#ucalgarycamps #ucalgarytogether

We hope you enjoyed our STEM Easter long weekend activity! Everyone at Minds in Motion would like to wish you and those closest to you a happy holiday!