

Exploring Density Activity Kit

Supplementary Materials



Annotated Materials List

Material	Our Suggestions
Graduated Cylinder	We used a plastic 50mL graduated cylinder like this one pictured on Amazon . We liked that it was tall and skinny. However, you do not have to use a graduated cylinder. Any clear cup or jar would work (as would an empty plastic water bottle), as long as it is tall enough to hold all of the liquids. Depending on how large your container is, you may need to increase the amount of each liquid used in order to see each layer clearly.
Liquids	<p>For the density column (activity 1) we used honey, maple syrup, liquid dish soap, water, and vegetable oil.</p> <p>It does not matter the brand of liquid that you use, though it might be interesting to test out different versions of the same liquid if you want an extension to your tests.</p>
Clear Plastic Jar	We used an 80 oz plastic jar with a lid for the DIY lava lamp activity. You can find plastic jars at many stores like Joann Fabric, Michaels, and Big Lots. You do not have to use the same size plastic jar as we did; however if you change the size, you might need to modify how much oil and water are used.
Glitter	We used glitter we found at Michaels . Remember, a little goes a long way. We suggest making your DIY lava lamp without glitter first and then adding a small amount (ex. $\frac{1}{8}$ teaspoon) to see what happens. You can always add more if you would like to.
Food Coloring	Any type of food coloring that you use for baking is appropriate for this activity.
Alka Seltzer Tablets	We found Alka Seltzer Tablets at Target (see 36 count box). You only need one tablet, so we suggest purchasing a smaller box if possible.

Additional Resources

If you had fun and would like more ideas for chemistry activities to complete at home, check out the American Chemical Society: [Adventures in Chemistry](#) or [Celebrating Chemistry](#).