

Hi, it's me, Ada, again! I heard that you have learned all about the differences between a solid and a liquid. Wow, that sand is tricky stuff! It is a solid that acts like a liquid!

I wonder if you can use what you know about solids and liquids to help me solve a problem. Did you know that I'm also an engineer? Engineers use science to solve problems.



The other day I banged my knee playing soccer. It was bleeding and really hurt!



My dad put a boo-boo cold pack on my knee. He said a boo-boo pack would help stop the bleeding and make the injury heal quicker. He was right!



That got me to thinking. How can I make my own boo-boo pack? I will need a material that stays cold. It will also need to take the shape of my knee.

There is lots of water around, so perhaps I could try that for my first material.



I remember how sand behaved like a liquid. I don't have any sand, but I know where I can find salt. That could be my second material.



Maybe I could mix salt and water for a third material. Hmm, I wonder which material will work the best. Can you help me find out?

