

## Super Thick Slime

**Slime** is an interesting **mixture** of **materials** that, when blended, makes a super thick substance that sticks together. While the key parts of the mixture usually include glue and a cross-linker, you can also add other things like glitter, color, and scents. Slime has some very interesting **properties** that makes you consider whether it should be counted as a liquid or a solid.



When mixing the parts together, you use a spoon to **push** on the mixture and blend each ingredient. By pushing on the slime, you exert a **force** on it that helps it to move and change. We often use **pushes** and **pulls** as a force to move or change things. For example, to walk down a path outside I have to push off the ground with my feet. Similarly, if I want to catch a baseball in my glove, I have to exert a force to stop it.



Once your slime ready, you can use force from your hands to push and pull it in a bunch of different ways. In the **Push-Pull Sleek Slime STEM Challenge**, your first task is to make a super cool batch of slime. You should also **observe**, **experiment** and **test** your slime to determine a few of its attributes.

Your next task is to use forces to push and pull on it a variety of different ways. As you push and pull on it, you should explain what you did, measure the changes that occurred, and explain how your slime responded. Finally, you should engineer your slime by adding something that you think could improve it some way. Good luck with this STEM Challenge.