



## GATEWAY REGION YMCA OOBLECK

Last week described ketchup as a shear-thinning fluid but we can also experiment with shear thickening! This fluid will be considered a suspension because it's part-way between a solid and fluid.

### Supply List

- Water
- Cornstarch
- Bowl

### Instructions

1. Put in about 1 1/2 part cornstarch
2. Add in 1 part water
3. Mix to get Oobleck! You might need to add additional cornstarch, a tablespoon at a time.
4. Try squeezing, see how when you try to form a ball it holds but only for a second before becoming viscous again?
5. Try punching your bowl quickly versus placing your fingers into the liquid notice the difference in viscosity?

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