

Name:

Date:

Class:

Exploring Density Through Mixtures and Solutions Worksheet

Challenge: Each group is tasked with creating a mixture or solution that will be the densest, using the following substances:

- sugar
- vegetable oil
- olive oil
- vinegar
- baby oil
- corn syrup
- liquid starch

Imagine

Sketch or write out different combinations you think will make the densest mixture or solution.

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Plan

Sketch or write down your group's chosen mixture or solution.

Create / Observations

What do you observe about your mixture / solution? For example, what color is it? Is it clear? Are there clumps in it?

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Test		
Group/Participants	Mixture/Solution Contents	Results

Name:

Date:

Class:

Improve

What do you want to change or improve to make your mixture or solution denser? Why?

Name:

Date:

Class:

Retest		
Group/Participants	Improved Mixture/Solution Contents	Results