

Do They Mix?

Materials	<ul style="list-style-type: none">• 4 clear containers (e.g., drinking glass, jars, etc.)• 4 spoons or craft sticks for stirring• 4 cups of water	<ul style="list-style-type: none">• 1 tbsp sugar• 1 tbsp salt• 1 tbsp flour• 1 tbsp oil
Prediction What do you think will happen?	Use pictures and/or words to record your prediction(s).	

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Steps	Step 1: Pour the same amount of water into each container.	Step 2: Add a tablespoon of sugar into the container of water labelled "sugar". Stir the mixture with a spoon and observe.
	Step 3: Next, add a tablespoon of sugar into the container of water labelled, "salt". Stir the mixture with a different spoon and observe.	Step 4: After that, add a tablespoon of flour into the container of water labelled, "flour". Stir the mixture with a different spoon and observe.
	Step 5: After that, add a tablespoon of cooking oil into the container of water labelled, "oil". Stir the mixture with a different spoon and observe.	Step 6: Finally, finish recording what you notice and clean up after you are done.

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Observations

Consider the following questions:

- What happened?
- What do you notice?
- Do they mix together?
- What do you think will happen if you leave the container sitting on the table for a few minutes?
- Did they stay mixed together?

Record what you notice using pictures, numbers, and/or words.

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Think

Consider the following questions:

- What did you predict would happen?
Were your predictions correct?
- What have you learned about mixing different solids into water?
- Do all solids mix with water in the same way?

Explain your thinking.

Record your ideas using pictures, numbers, and/or words.