

Mix the Matter Lab

Mixing Different Matter Investigation

What's needed:

Water

Salt

Sugar

Flour

Sand

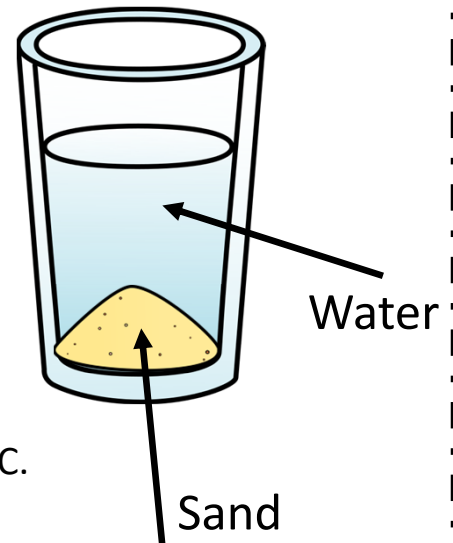
Three clear plastic cups

Spoons

Marker

What to do:

- Label each cup with a marker: Cup A, Cup B, and Cup C.
- Fill Cup A with water.
- Add a spoonful of salt to Cup A and stir it with a spoon.
- Add a spoonful of sugar to Cup B and stir it with a spoon.
- Add a spoonful of flour to Cup C and stir it with a spoon.
- Add a spoonful of sand to each cup, one at a time, and stir with a spoon.
Observe what happens when the sand is added to each cup.



Record, report and explain your findings about each mixture:

Cup A:

Cup B:

Cup B:

Conclusion:

Teacher Notes:

Observations the students should make:

- In Cup A, the salt dissolves in the water and disappears.
- In Cup B, the sugar dissolves in the water and disappears.
- In Cup C, the flour does not dissolve in the water and creates a cloudy mixture.
- When sand is added to each cup, it sinks to the bottom and does not dissolve.

Conclusion: Mixing different substances can cause different things to happen.

Some substances dissolve in water, while others do not. Sand sinks to the bottom and does not dissolve in water. By observing what happens when different substances are mixed, we can learn more about the properties of matter.