

PLAYDOUGH Science



1) Get a mixing bowl and spoon.



2) Measure 1 cup of flour.



3) Measure $\frac{3}{8}$ cup of salt.



4) MIX THESE TWO SOLIDS TOGETHER.

When you mix the flour and salt together, you get a mixture. That means that two substances have been combined but no reactions has taken place. They stay in their original form and can be separated by a physical process. (Sifter).



4) Measure $\frac{1}{2}$ cup of hot water and mix in food coloring.

When you mix water and food coloring, it's a solution.

(Since water is hot- let adult do this part)



5) Pour in water and stir and mix with spoon until it is cool enough to mix with hands.

When you mix the solids and liquids together, you get something totally new. This is because a chemical reaction has occurred.