

The Great Mix-Up

Procedure

1. **Collaborate** Work in a small group. Record your data in the chart below.

Material	Properties before mixing	Properties after mixing
paper clips		
toothpicks		
beans		
rice		
salt		
water		

2. Fill each of five small plastic bowls halfway with one of the following materials: paper clips, toothpicks, dry beans, rice, and water. Put a spoonful of salt into a sixth bowl.
3. **Observe** Look at the material in each bowl. Smell and touch it. Record your observations in your chart. **Safety:** Do not taste the material.
4. **Record Data** Pour the paper clips into the bowl of toothpicks and stir them together. Observe and record in your chart the properties of the mixed materials.
5. **Record Data** Repeat step 4, pouring the beans into the rice.
6. **Observe** Repeat step 4, pouring the salt into the water.

Conclusion

Write the answers to the questions below.

1. **Analyze Data** Which materials changed when you mixed them together? How did they change?

2. **Predict** What will happen if you mix beans and paper clips?

Investigate More!

Design an Experiment Mix together three or more of the materials. Have the properties of the materials changed after being mixed together? Give reasons for your answer.

