



Moo to You

Mixture or Solution?

STUDENT WORKSHEET

Part A: Shake It Up

YOU WILL NEED:

Each group will need sand, salt, sugar, water, teaspoon, 3 containers labelled sand, salt, and sugar and a 'Mixture or Solution?' handout.

INSTRUCTIONS

A mixture is formed when 2 or more substances are combined, but each substance keeps its original properties.

1. Fill each container $\frac{3}{4}$ full of water.
2. Add 1 teaspoon of sand to the container labelled sand and do the same for salt and sugar.
Try not to get the teaspoon wet.
3. Screw the lids back onto the containers.

4. Give each container a good shake and then leave it for 2-3 minutes.

Look carefully at the water in each container.

- What can you see?
- Are the sand, sugar, and salt still visible?

5. Record your observations on the handout.



A solution is made when a solid, dissolves into a liquid.

- Have any of the 3 mixtures formed a solution?
- Are all solutions mixtures?

