Solubility
Dissolving and Solutions

Science Worksheet 1 of 4

A. Understanding Dissolving

Dissolving means mixing a solid with a liquid so it disappears.



B. Key Words

Solute: the substance that dissolves.

Solvent: the liquid that does the dissolving.

Solution: the mixture that results.

C. Substances That Dissolve or Not

Look at the pictures. Tick (✓) the correct column.

	Dissolves in Water	Does Not Dissolve
Sugar	☐	☐
Sand	☐	☐
Oil	☐	☐
Salt	☐	☐

D. Complete the Sentences

1. A _____ is what is dissolved.
2. A _____ is the liquid that dissolves the solute.
3. A _____ is the mixture.
4. Many substances, like sugar and salt, can _____ in water.

E. Measuring Water Volume

Look at the measuring cylinder. What is the volume of water?



Volume: _____ ml

F. Using Beakers and Measuring Cylinders

1. Which is more accurate for measuring a liquid? Circle one.

   Beaker or Measuring Cylinder

2. Why is a measuring cylinder better for exact measurements?

   _____

   _____

G. Classify the Substances

Sort the items below into the correct boxes.

Sugar • Sand • Salt • Chalk • Oil • Flour

Dissolves in Water	Does Not Dissolve
_____	_____
_____	_____



H. Try It Yourself!

1. Make a sugar solution.
   a) Add 1 spoon of sugar to a glass of water.
   b) Stir and observe. What happens?

   _____

2. Try adding sand to water. What happens?

   _____

3. Can you make a solution with salt? Write your observations.

   _____

