

SCIENCE – UNIT 3 – WORKSHEET 3

| ACHIEVEMENT | | COMMENT | |
|---|--|---------------------------------|--|
| <input type="checkbox"/> Excellent <input type="checkbox"/> Very good <input type="checkbox"/> Good | <input type="checkbox"/> Fair <input type="checkbox"/> Need improvement | Knowledge Skills Attitude | |

UNIT 3 – Solutions, How can we make solids dissolve faster?



REMEMBER

Words to Learn

| | |
|----------|----------|
| Solution | Rate |
| Solute | Conclude |
| Solvent | |
| Uniform | |

- A solution is made up of a solute and a solvent.
- Mixtures are made up of particles of different substances. Pure substances consist only of particles of that substance.
- Most mixtures can be separated but pure substances cannot be separated.
- Stirring and heating a solution make solid solutes dissolve faster.

I. Directions: Draw a line to connect the words to their definitions.

| | | |
|-----------|--|--|
| dissolve | | A substance that does not dissolve in a given solvent. |
| insoluble | | When a solute is mixed with a solvent to form a solution. |
| soluble | | A homogenous mixture of two or more substances, formed when a solute dissolves in a solvent. Salt water is an example. |
| solute | | A substance that will dissolve in a given solvent. |
| solution | | The substance in which a solute dissolves. In salt water, this substance is the water. |
| solvent | | The substance that dissolves in a solvent to make a solution. In salt water, this substance is the salt. |

II. Directions: Label the pictures with the correct words from the box.



1. _____ 2. _____ 3. _____

| | | |
|-----------------|---------------|----------------|
| Solution | Solute | Solvent |
|-----------------|---------------|----------------|

III. Complete the sentences. Choose the correct answer from the choices in the drop-down box.

1. A soluble substance mixed in a solvent will make a _____.
2. Salt is the _____ in saltwater.
3. Water is the _____ in saltwater.
4. Sugar and Coffee Powder are the _____ in Coffee.
5. Stirring a Solution makes the solutes dissolve _____.
6. To make a solute dissolve faster, we can use _____ water.
7. The substances in a Solution can be separated through _____.