



Science is Fun!

Unit 2.3 Dissolving



Introduction

Some solids dissolve when they are mixed with a liquid. This means the solid breaks into pieces that are too small to see. When the solid has dissolved we cannot see it but it is still there.

I predict that salt will be dissolved in water but not pepper.



Scientist Rico is trying to find out which solid will dissolve in water.

A. Read these questions and write your answer.

1. Is Scientist Rico's prediction correct?
2. Why did he stir the mixture of water and salt?
3. If he can't see the salt in the mixture, how can he test if the salt is still there?
4. If he is not allowed to taste the salt mixture, what else can he do to test if salt is present in water?

B. Which solid will easily dissolve in water? Tick the correct answer.

sugar



lemonade powder



fine sand



Vitamin C tablet



iron filings



black pepper

C. Add the missing words to these sentences. Use these words.

dissolve

transparent

soluble

insoluble

insoluble

- a. Sand is _____ in water.
- b. Salt is _____ in cooking oil.
- c. Salt is _____ in water.
- d. The more water there is, the more salt can _____.
- e. When a solid dissolves in water the solid cannot be seen but the water is still _____.