



## Which solids dissolve in water?

Today we are going to investigate **which solids dissolve in water**.

When a substance **dissolves** in water, you can't see it anymore, it's still there, but has mixed with the water to make a transparent liquid called a **solution**.

We call substances that dissolve in water **soluble** and substances that do not dissolve in water are called **insoluble**.

### You will need:

- Transparent containers – jars or bowls
- Water (cold and warm)
- Substances you can find around the house to try and dissolve e.g. sugar, coffee, pepper, sand, flour, salt and mud.

### Instructions

Add a teaspoon of whichever solid you are testing to a glass of cold water and a glass of warm water, stir and observe the difference.

Watch to see if the solid dissolves in the warm water and cold water and if one is better than the other.

Can you design a chart to record your observations?

