

Year 5 Science homework –

Dissolving or Melting?

Many people get confused between dissolving and melting, but there are several important differences:

Dissolving

- Dissolving involves a liquid and another material, often a solid.
- In dissolving, the solid mixes into the liquid to make a new liquid, called a solution.
- Dissolving doesn't need heat to occur.

Melting

- Melting involves only a solid.
- In melting, the solid changes into a liquid that is the same material.
- Melting needs heat to occur.



Soluble or Insoluble?

Materials that will dissolve are known as soluble.

Materials that won't dissolve are insoluble.

You are going to work in pairs to find out which materials are soluble and which are insoluble.

**Your task - Will the materials in the table below dissolve in water?
Complete the tables below.**

Material	Does it dissolve?
sand	
chalk	
flour	
rice	
coffee granules	
sugar	
salt	
gravy	

Classify the materials you tested into the correct category:

Soluble	Insoluble