

Marvellous Maya Can I get my material back?

Overtime ۲

Lesson I-Investigation: Are all materials the same?

Different materials have different features, or properties, which

make them suitable for different uses.

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Lesson 2-Investigation: Investigation: Do all materials dissolve in a liquid?

Not all solids will dissolve, and not all liquids will allow solids to dissolve. Substances like sugar and salt dissolve in water to make transparent solutions. Substances that do not dissolve

> in water are called insoluble substances.



Lesson 3-Investigation: How can we get our solid back? If a substance has dissolved you can't recover it from filtering or sieving.

Lesson 5- Investigation: How can we get our solid back? Can you plan an investigation to recover a mixture of paper clips, salt, sand and water.

All these processes are reversible.

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Sugar is

a soluble

Sand is an

insoluble

A solution is

don't dissolve

Lesson 4- Investigation: How can we qet our solid back?

Can we recover the salt and sugar from its solution?

> Applying past knowledge of evaporation from Year 4.

Flexible

Absorbent

Solubility

Electrical

Thermal

Soluble/

insoluble

Residue

Conductivity

Conductivity

The ability of a material to deform elastically and return to its

The ability of a material to soak up liquid

The ability of a solid, liquid, or gas substance to dissolve in solvent and form a solution

A measurement that determines a material's ability to transport an electric charge

The ability of a material to conduct heat.

If a substance is soluble, it can be dissolved in liquid. If not, it is insoluble

A small amount of something that remains after the main part has gone