



Marvellous Maya Can I get my material back?

Applying Past Knowledge

This links with your learning in Year 1 and 2 when grouping materials as well as Year 4 exploring solids, liquids and gases.



1. Are all materials the same?

Different materials have different properties, e.g hard, soluble, magnetic. The properties of a materials affect what we use it for.

2. What is the best material insulating heat?

Thermal insulators don't let much heat pass through them.

Thermal conductors let heat pass through them easily.

4./5. How can we get our solid back?

The separating method depends on the mixture:



Mixed with a solid

If a solid is:

Mixed with a



liquid

Dissolved in a liquid

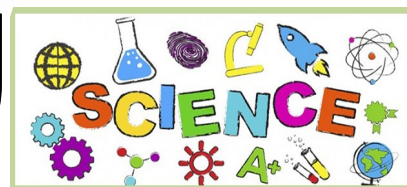


3. Do all materials dissolve in a liquid?

Soluble materials dissolve. When a solid dissolves, you can't see it anymore.



Insoluble materials do not dissolve.



Key Vocabulary

- Absorbent** The ability of a material to soak up liquid
- Solubility** The ability of a solid, liquid, or gas substance to dissolve in solvent and form a
- Electrical Conductivity** A measurement that determines a material's ability to transport an electric charge
- Solution** A mixture formed when a solid dissolves in a liquid
- Residue** A small amount of something that remains after the main part has gone