

# Y5 – Sp2 – Victorians - Science

## Vocabulary

Word	Definition
Insulator	Does not transfer heat / electricity or sound
Conductor	Allows electricity / heat to transfer
Mixture	A substance made by mixing other substances together
Dissolve	When a substance looks like it has disappeared, but has actually mixed with the water to make a transparent liquid.
Solution	A mixture of two or more substances.
Soluble	Able to be dissolved.
Thermal	Keeps heat in

### You have learnt to:

- Identify and compare the suitability of a variety of everyday materials
- Find out how the shapes of solid objects made from materials can be changed by squashing, bending and stretching
- Compare and group materials together
- Observe that some materials can change state

### Previous Knowledge



### Key Facts

- Some materials will dissolve in a liquid and form a solution while others are insoluble and form sediment.
- Mixtures can be separated by filtering, sieving and evaporation.
- Some changes to materials such as dissolving, mixing and changes of state are reversible.
- Sometimes, a shape may be changed but this does not mean there will be a new material
- Thermal insulators do not keep cold in or out
- Thermal insulators do not warm things up.
- Materials have different uses depending on their properties of state (liquid, solid or gas)
- Properties include hardness, transparency, electrical and thermal conductivity and attraction to magnets.

### Key Questions

- Can you name properties of different materials which makes them suitable for certain jobs?
- Can you list some materials that will dissolve in water?
- Can you identify which materials are the best insulators?
- Can you demonstrate different ways to separate materials?

**Spellings:** electrical, soluble, filter, sieve, reversible, change, burning, rusting, material, liquid, solid