

Changing Materials: Year 5/6—Cycle B

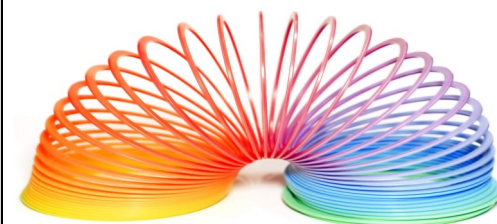
Key Vocabulary	
Insulator	A material or object that does not easily allow heat, electricity, light or sound to pass through it.
Electrical conductor	material that allow electricity to flow through it.
Thermal conductor	material that allows heat to pass through it.
Solution	mixture of solid and liquid (you might not be able to see the solid).
Solute	the substance that dissolves.
Solvent	usually (liquid) that does the dissolving.

Resources

- Salt, sugar, sand, gravel
- Filter paper, funnels, containers
- Rocks, variety of materials such as plasticine, rubber, steel, copper.
- Bulbs and wires

Sticky Knowledge

- To know reversible changes can be undone and irreversible changes cannot be undone.
- Sugar dissolves in liquids
- Salt can be retrieved from a salt solution through evaporation.
- Steel is a good conductor of heat and electricity
- Separation can be done through filtering or sieving.
- A fair test needs to have just one variable.
- Melting and dissolving are two different processes



Key Skills

- Investigate how and why things dissolve and evaporate
- Investigate which materials can be manipulated into other shapes
- To complete a fair test changing only one variable.
- To present data in a variety of ways