

Properties of Materials

- **transparent** – an object or material that allows all light to pass through it



- **translucent** – an object or material that allows some light to pass through it



- **opaque** – an object or material that does not allow any light to pass through it



- **magnetism** – a non-contact force created by a magnet



- **hardness** – a measure of how resistant a solid is to a change of shape or indentation when a force is applied



- **properties** – the qualities and characteristics of a material



- **data** – facts and numerical information collected

Insulating material	Temperature (°C)			
	0 min	5 min	10 min	15 min
aluminium foil	45	41	38	36
felt	45	43	40	37

- **electrical conductor** – a material that lets electricity pass through it



- **electrical insulator** – a material that does not let electricity pass through it



- **circuit** – a complete path that allows electrical energy to flow



- **cell** – a single device which produces electricity



- **bulb** – a part in a circuit that produces light



- **thermal insulator** – material that does not let heat pass through it quickly/efficiently/easily



- **thermometer** – a piece of equipment used to measure temperature



- **control beaker** – a beaker that is not wrapped in material so it can be used for comparison with other beakers



- **temperature** – the measure of how hot or cold something is