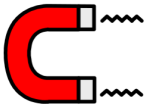
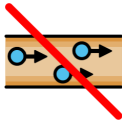


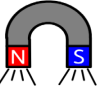
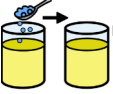
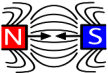


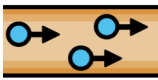






Key Knowledge Fact Sheet

Year Five—Properties and changes of materials

overview

- ⇒ Recall that **magnets** have 2 **poles** (North and South) and **attract** and **repel** materials.
- ⇒ Recall that some **materials** are **magnetic**, for example metal.
- ⇒ Recall that some materials are **electrical conductors** (metals) and some are **insulators** (plastic, wood and rubber).
- ⇒ Know that the **hardness**, **solubility**, **transparency**, **conductivity** (electrical and thermal) and response to a magnets are properties of different materials.

Key Vocabulary		Key Vocabulary			
magnet		an object that makes a force that pulls magnetic materials nearer	electrical insulator		stop electricity or heat or electric escaping
magnetic		metal objects are attracted	hardness		A materials ability to not be dented or scratched easily
poles		one of two ends of a magnet, one north and one south	solubility		how easily something dissolves in a liquid
attract		to pull an object nearer	transparency		How much light a material is allowed to pass through
repel		to push an object away	conductivity		How easy it is for electricity to pass through a material
electric		Energy that flows through a conductor	thermal		How much heat a material can allow to pass through it
electrical conductor		Materials that allow electric to pass through them easily	material		Any material that has a name e.g. wood, chalk, plastic or metal