

Properties of Materials - Year 5 Autumn 2 (Stanley Road Primary School)

Vocabulary Dozen		Separating Solids and Liquids		Magnets	
chemistry	the scientific study of the structure of substances.	filtering	separates an insoluble solid from a liquid.	A magnet is a piece of iron or other material which attracts some metals towards it	
physics	the scientific study of forces and energy				
specimen	an example of an animal, plant or object that scientists can study	sieving	separates solids of different sizes.	attract	one object pulling another object towards it
substance	a solid, powder, liquid or gas	evaporation	separating dissolved substances from liquids.	repel	one object pushing another object away from it
solubility	the ability of a substance to dissolve	Reversible and Irreversible Changes		Magnetic Materials	Non-Magnetic Materials
soluble	will dissolve in liquid	reversible change	Changes that are not permanent. Dissolving, mixing, melting, freezing are reversible changes. e.g. water turning to ice or steam	Iron Steel Nickel	Aluminium Copper Gold Silver
insoluble	will not dissolve in liquid	irreversible change	Changes that are permanent and cannot be undone. Result in the making of a new material. e.g. burning wood, baking a cake	<p align="center">How magnets work</p> <p>Magnets have a North and South pole. North is often Red while South is often Blue. Arrows show the direction of the force in this diagram.</p> 	
transparent	a material that allows light to pass through.				
hardness	a measure of how hard of soft a material is	Solubility			
thermal conductor	a material that allows heat to travel through it easily	dissolve	when a solid material mixes with a liquid and is no longer visible (it can no longer be seen)		
electrical conductor	a material that allows electricity to flow through it	solution	a liquid in which a solid has been mixed into and dissolved e.g. sugar and water, salt and water		
solidify	to change from being a liquid into a solid form	saturation point	the limit to how much solid can be dissolved in a liquid. The point where the solid will be visible.		