





Key Vocabulary				
WORD	DEFINITION			
Conduction	heat moving from one object to another through contact			
Conductive	a material that allows heat and/or electricity to pass through it			
Dissolve	to mix with a liquid and become part of the liquid			
Evaporation	the process where a liquid changes into a gas			
Filtering	the separation of a mixture using a tool with small holes to separate particles			

motion in a specific direction

any material, such as sugar

using or producing heat

pressure

is a solvent

Force

Hardness

Magnetic

Solute

Solvent

Substance

Thermal

when an object is acted upon by a pull or push

Hardness – resistance to scratching and

material that is attracted to a magnet

a substance that can be dissolved in a liquid

a substance that can dissolve in a solute, water

Key Knowledge

Different materials are used for particular jobs based on their properties: electrical conductivity, flexibility, hardness, insulators, magnetism, solubility, thermal conductivity, transparency.

conducts energy	9
insulates energy	
transparent	10 10 (M M)
waterproof	
durable (strong)	0 0
NOTE THE PARTY OF	•

Sieving - Smaller materials are able to fall through the holes in the sieve, separating them from larger particles.

Filtering - The solid particles will get caught in the filter paper but the liquid will be able to get through.

Dissolving - A solution is made when solid particles are mixed with liquid particles. Materials that will dissolve are known as soluble. Materials that won't dissolve are known as insoluble. A suspension is when the particles don't dissolve.

Irreversible changes often result in a new product being made from the old materials (reactants). For example, burning wood produces ash. Mixing vinegar and milk produces casein plastic.







