

Year 5 and 6 Properties of Materials

Knowledge Organiser

VOCABULARY

Solid- Firm shape or form that can be measured in length, width, and height not like a liquid or gas. Tightly packed molecules.

Liquid- no defined shape, takes the shape of its container. Particles free to move over each other.

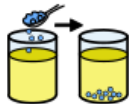
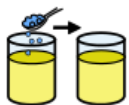
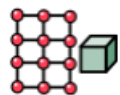
Gas- easy to compress, expand to fill containers and occupy more space than liquids or solids.

transparent- You can see through it

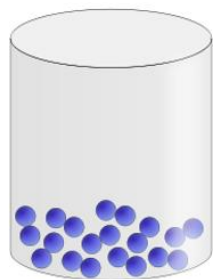
Soluble- able to be dissolved

insoluble- cannot be dissolved.

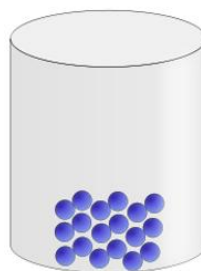
Conductor- a substance that heat or electricity can pass along or through.



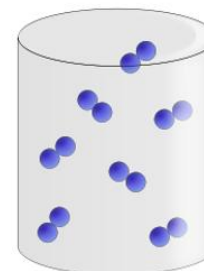
States of Matter



Gas- particles move freely and expand to fill container.



Liquid- no defined shape, takes the shape of its container.



Solid- firm shape with tightly packed molecules.

Grouping Materials based on properties.

Magnetic



Transparent



Permeable



Soluble



Insoluble



Impermeable



Flexible



Dissolving

Two substances becoming one solution.



Melting

Changes state but does not mix.



Irreversible Changes

Often result in a new product being made from the old material.

For example **burning wood produces ash**



Reversible Changes

