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| <b>Absorbent:</b>    | a material that will soak up liquid  |
| <b>Atoms:</b>        | the (tiny) basic building blocks that all materials are made from                      |
| <b>Boiling:</b>      | when a liquid begins to turn into a gas and small bubbles form in the liquid           |
| <b>Condense:</b>     | cooling a gas to change it into a liquid   |
| <b>Conduct:</b>      | allows heat or electricity to travel   |
| <b>Decant:</b>       | pouring off a liquid from a heavier solid or liquid                                    |
| <b>Dissolve:</b>     | a solid mixed in a liquid that separates into particles too small to see               |
| <b>Elasticity:</b>   | how far a material will stretch or bend then return to shape                           |
| <b>Evaporate:</b>    | heating a liquid to turn it into a gas   |
| <b>Filter:</b>       | a way of separating small particles from a liquid by pouring through paper or cloth    |
| <b>Flammable:</b>    | a material that catches fire and burns when heated                                     |
| <b>Freezing:</b>     | changing from a liquid to a solid  |
| <b>Gas:</b>          | gases have no fixed shape or volume  |
| <b>Hardness:</b>     | resistance to scratching and pressure  |
| <b>Insoluble:</b>    | a solid that does not dissolve in the liquid it has been mixed with.                   |
| <b>Insulate:</b>     | stops heat or electricity from travelling  |
| <b>Irreversible:</b> | a permanent change that can not be changed back  |
| <b>Liquid:</b>       | liquids take the shape of the container they are in. The volume remains constant       |
| <b>Melting:</b>      | changing from a solid to a liquid when heated.   |
| <b>Mixture:</b>      | a combination of two or more substances where none have dissolved.                     |
| <b>Molecules:</b>    | small building blocks made from atoms joined together                                  |
| <b>Opaque:</b>       | light can not pass through. You can not see through and a shadow will be formed.       |
| <b>Permanent:</b>    | a change that can not be reversed  |
| <b>Properties:</b>   | the properties are words that describe materials.                                      |
| <b>Reversible:</b>   | when a change is not permanent and can be changed back                                 |
| <b>Saturated:</b>    | when no more of a solid can be dissolved   |
| <b>Sediment:</b>     | small particles that have sunk to the bottom of a liquid                               |
| <b>Separate:</b>     | to split apart or un-mix.  |
| <b>Sieve:</b>        | passing a mixture through a mesh or small holes so larger solids are left behind       |
| <b>Solid:</b>        | a solid keeps its shape unless a force is put on it.                                   |
| <b>Soluble:</b>      | a material that will dissolve  |
| <b>Solution:</b>     | a mixture of two materials when one has dissolved in the other                         |
| <b>Steam:</b>        | water that has condensed into small droplets in the air                                |
| <b>Stiff:</b>        | a material that does not change shape easily   |
| <b>Strength:</b>     | amount of force needed to break a material   |
| <b>Suspension:</b>   | when a solid is mixed into a liquid without dissolving                                 |
| <b>Temperature:</b>  | a measure of how much heat energy something has  |
| <b>Toughness:</b>    | resistance to breaking under shock - opposite of brittle                               |
| <b>Translucent:</b>  | some light can pass through, but the light is altered in some way. e.g. coloured glass |
| <b>Transparent:</b>  | light can pass through. You can see through it   |
| <b>Vapour:</b>       | liquid such as water as a gas  |
| <b>Vibrating:</b>    | moving really quickly about a fixed point  |
| <b>Viscous:</b>      | a thick liquid like syrup.   |
| <b>Volume:</b>       | the amount of space something takes up.  |
| <b>Waterproof:</b>   | a material that repels water.  |