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|---|---------------------------------------|--|
| <input type="checkbox"/> aim            | <input type="checkbox"/> distillation | <input type="checkbox"/> physical properties |
| <input type="checkbox"/> apparatus      | <input type="checkbox"/> equipment    | <input type="checkbox"/> pure substance      |
| <input type="checkbox"/> average        | <input type="checkbox"/> evaporate    | <input type="checkbox"/> residue             |
| <input type="checkbox"/> centrifuge     | <input type="checkbox"/> evaporation  | <input type="checkbox"/> results             |
| <input type="checkbox"/> chromatography | <input type="checkbox"/> experiment   | <input type="checkbox"/> saturated           |
| <input type="checkbox"/> conclusion     | <input type="checkbox"/> fair test    | <input type="checkbox"/> scales              |
| <input type="checkbox"/> condensation   | <input type="checkbox"/> filtrate     | <input type="checkbox"/> soluble             |
| <input type="checkbox"/> condense       | <input type="checkbox"/> filtration   | <input type="checkbox"/> solute              |
| <input type="checkbox"/> crystal        | <input type="checkbox"/> hypothesis   | <input type="checkbox"/> solution            |
| <input type="checkbox"/> data           | <input type="checkbox"/> insoluble    | <input type="checkbox"/> solvent             |
| <input type="checkbox"/> decant         | <input type="checkbox"/> laboratory   | <input type="checkbox"/> suspension          |
| <input type="checkbox"/> diagram        | <input type="checkbox"/> meniscus     | <input type="checkbox"/> temperature         |
| <input type="checkbox"/> dissolve       | <input type="checkbox"/> method       | <input type="checkbox"/> units               |
| <input type="checkbox"/> distillate     | <input type="checkbox"/> mixture      | <input type="checkbox"/> vapour              |

Additional words:

## GLOSSARY

- Aim - Purpose of experiment.
- Apparatus - The gear eg Bunsen, beaker.
- Average - The mean of numbers – calculated by adding numbers together and dividing by how many pieces of data you had. Eg average of  $23 + 45 + 39 = 107/3 = 35.7$
- Centrifuge - Device that spins tubes fast, separating the substances in them, eg blood cells from blood.
- Chromatography - Separating dissolved solids from one another. The solids are usually coloured.
- Conclusion - What you found out from the experiment, what you decided.
- Condensation - Water droplets when steam turns to water.
- Condense – a gas turning to liquid.
- Crystal - Regularly shaped solid, with flat faces.
- Data - Results, numerical results.
- Decant - Pour off a liquid and leave a solid behind.
- Diagram - Picture, usually 2d and labeled picture of science apparatus as it was set up.
- Dissolve - When a solid splits up and mixes with a liquid to make a solution.
- Distillate - Liquid collected as a result of the technique called distillation.
- Distillation - The process of separating a liquid from a solution by evaporating the liquid and then condensing it.
- Equipment - The apparatus, the gear, eg bunsen, beaker.
- Evaporate – Turn a liquid into a gas.
- Evaporation- Liquid turning into a gas.
- Experiment - Practical activity to find something out or to demonstrate an idea.
- Fair test - Type of experiment where just one thing is changed (called the independent variable).
- Filtrate - Liquid that collects in a flask when a mixture has been filtered.
- Filtration - Separation technique using a filter paper and funnel, used to separate insoluble materials from a liquid.
- Hypothesis - Scientific “guess” or prediction, that is tested by an experiment.
- Insoluble - A solid that will not dissolve.
- Laboratory - Specialist science room.

- Meniscus - Curved surface of a liquid eg when you look at water in a measuring cylinder.
- Method - The procedure, the instructions of how to do an experiment.
- Mixture - More than one type of stuff mixed together, eg orange juice, air, salty water.
- Physical properties - How something looks, feels, behaves eg hard, shiny, bendy.
- Pure substance - Just one type of stuff, eg gold.
- Residue - Solid that remains in the filter paper when a mixture has been filtered.
- Results - Observations or data collected in an experiment.
- Saturated - Solution that will dissolve no more solid at that temperature.
- Scales - Markings on side of measuring cylinder, ruler, thermometer.
- Soluble - A substance that can be dissolved.
- Solute - A substance that is dissolved in a liquid (solvent).
- Solution - A mixture of a solute dissolved in a solvent.
- Solvent - A liquid that substances can be dissolved in.
- Suspension – Insoluble material that “hangs” in the solvent and settles if the mixture is left to stand.
- Temperature - A measure of how hot or cold a substance is. Temperature depends on how fast the particles inside the substance are moving. It is measured in degrees Celsius.
- Units - What a variable or quantity is measured in.
- Vapour – Gas state.

