**Properties and Changes of Materials Knowledge Organiser**

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| **Key Knowledge** | **Key Vocabulary** |
| I can suggest key properties of materials and possible uses, giving reasons. | opinion/fact, comparative, fair test, scatter graph, material & property names, enquiry, use, reasoning |
| I can plan and carry out an investigation on given materials to explore thermal insulating properties. | insulator, conductor, thermal, prediction, accuracy, comparative, fair test, enquiry, line graph |
| I can plan, set up and present findings from a fair test investigation looking at the electricity conducting properties of materials. | variables, bar graph, fair test, electrical conductor, electrical insulator |
| I can identify materials which will dissolve in water. | dissolve, soluble, insoluble, liquid, solid |
| I can plan and carry out investigations that attempt to separate mixed materials. | variables, enquiry, soluble, insoluble, filter, sieve, magnet/ism, evaporation |
| I can explain irreversible chemical changes. | reversible, irreversible, physical, chemical, reaction, reactant, product |



