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| **Year 5 Spring 1 Science- Properties of Materials (Reversible)** |
| Key facts1. Heating and cooling materials can bring about changes in state.
2. If the change is just physical (for example mixing materials together) then it can be reversed, however, the change could be chemical and is likely to be permanent.
3. When materials dissolve they form a solution. The solid material is called the solute and the liquid is called the solvent
4. Sieving is defined as a method in which two or more components of different sizes are separated from a mixture on the basis of the difference in their sizes.
5. Thermal conductivity is the ability to transfer heat from one object to another.
6. Some materials do not transfer heat easily, but slow it down; these are poor thermal conductors but good thermal insulators.
7. These materials keep things warm but also prevent cold things from warming up.
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| Scientific skills* Plan a fair test
* Make predictions
* Use my results to draw conclusions
 | Key Vocabulary* thermal conductor
* thermal insulator
* solvent
* solution
* soluble
* insoluble
* solid
* liquid
* particles
* suspensions
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