Year 9 Metals and Acids Learning Journey

Lesson Remember this!

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| Mixtures made of a solid dissolved in the liquid can be separated |
| Some mixtures are made up of different liquids or dyes that can be separated |
| Pure metals are not a mixture and have distinct physical properties |
| Mixtures are made of different substances mixed but not chemically joined |
| Elements are made of one thing and mixtures are made of more than one substance mixed |
| Elements are made from one type of atom and all elements are listed on the periodic table |
| The periodic table is an arrangement of all of the elements |
| Metals show different reactivities |
| Some metals are more reactive than others |
| Some metals will react with other substances to form a new product called a compound |
| How reactive a metal is can be found out by looking at its place on the reactivity series |
| Some metals are too reactive to extract using reduction |
| Knowledge from the previous 13 lessons! |

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| 1- Separate a mixture |
|  2- Learn about separating a mixture using distillation |
| 3- Learn how to separate a mixture using chromatography |
| 4- Compare the properties of metals and non metals |
| 5- Learn about alloys  |
| 6- Learn about the difference between atoms, elements, compounds and mixtures  |
| 7- Learn about how the periodic table was made  |
| 8- Learn about patterns in the periodic table |
| 9- Learn about the reactivity series |
| 10- Learn about displacement reactions |
| 11- Learn about how metals react with oxygen |
| 12- Learn how to use the reactivity series to work out how a metal is extracted |
| 13- Learn about electrolysis as a way to extract more reactive metals |
| 14- Metals test |

