

What are we learning about?

This topic is about chemical reactions and how they differ from physical changes. It contains information about specific reactions that you will need all the way through school!



Why are we learning about it?

Chemical reactions occur everywhere around us. From the ones happening in your body right now, to the ones needed in industry for production of goods e.g. medicines. Even baking a cake is a chemical reaction. This unit looks specifically at the types of reaction that we see and how we can measure them.



What new KNOWLEDGE will I gain?

You will gain knowledge on the signs of a chemical reaction and chemical reactions that occur everyday. We will also be looking in detail about acids and alkalis.



Chemical reactions 1: Learning Journey

How does this build on the SKILLS I already have?

You will build on the triplets you have done in the past by designing and completing your own experiment, you will develop your skills in bench chemistry and finally your confidence in prediction.



What new SKILLS will I develop?

You will be able to predict outcomes of reactions, state what types of reactions that you are doing and also evaluate experimental information to order things by its reactivity.



How does this build on the KNOWLEDGE I already have?

You have already looked at elements and compounds and their definitions. You will use this information to describe how compounds are formed when they undergo a chemical reaction. You will also be able to describe how a chemical reaction is different from a physical change such as melting.