

Traffic Lights - "Chemicals in Action"

How can we tell the difference between acid, alkali and neutral solutions?

What are the pH ranges (numbers) for acid, alkali and neutral solutions?

Which household chemicals are acids, which are alkalis and which are neutral?

What happens to the pH of an acid when you add an alkali?

How can you recover the salt from a neutralised solution?

Where do you encounter neutralisation in everyday life?

What effect does changing the temperature have on the rate (speed) of a chemical reaction?

What effect does changing the concentration have on the rate (speed) of a chemical reaction?

What effect does changing the particle size have on the rate (speed) of a chemical reaction?

What is a catalyst?

What effect does adding a catalyst have on the rate (speed) of a chemical reaction?

What is an enzyme?

Of the metals Lithium, sodium, potassium, caesium, rubidium, copper, iron, zinc and magnesium, what is their order from most to least reactive?

What is produced when a metal reacts with water?



What is produced when a metal reacts with acid?



Why is iron used for bridges, copper used for wires and gold used for jewellery?



Why does iron rust?



How can we speed up rusting?



How can we prevent rusting?

