

Describe the main steps in a titration

Why would a food company need to know how pure an ingredient was before using it?

pH14

Label these chemicals as bulk (B) or fine (F)

A pattern can be etched onto a zinc plate using hydrochloric acid to react with the zinc, forming soluble zinc chloride, $ZnCl_2$. Write a word equation and a balanced symbol equation for the reaction.

pH10

Aspirin

Where do cobalt, rhodium and iridium appear in the periodic table?

pH7

Ethane

Citral perfume

pH3

Sulphuric acid

Herbicide glyphosate

Name some of the main products of the UK chemical industry.

Why is it not surprising that these 3 metals can be used to make catalysts for the same process?

pH1

Food dye carotene

Give an example of a chemical for each pH

Alkali sodium hydroxide

What are the 4 ways of speeding up a chemical reaction?

C6 Chemical Synthesis

Name the 4 main raw materials used in the UK chemical industry.

What does the pH scale show us and what does it measure?

Add notes and diagrams to make it useful

What is a catalyst?

Draw an energy level diagram for an exothermic reaction, label reactants and products.

What pH is a strong acid?

Uses of sodium chloride include:

In an exothermic reaction, is heat taken into or out of the system?

Give the name and chemical formula of a bulk chemical

What makes an acid an acid?

Flavouring food

Melting ice on roads

Saline drips in hospitals

Which is the purest grade?

In an endothermic reaction, is heat taken into or out of the system?

Draw an energy level diagram for an endothermic reaction, label reactants and products.

What are the formulas of these antacids:

Magnesium hydroxide

Aluminium hydroxide

Write an equation for the neutralisation reaction between sodium hydroxide and hydrochloric acid.

What is the formula and charge of the following ions?

Carbonate

Nitrate

Hydroxide