Chemistry Learning Journey

1956

Which industry initially used chromatography?

How does NMR reveal molecular structures?

How can a single DNA mutation alter protein structure and change traits?

How do amines influence the behaviour of organic compounds?

What makes aromatic compounds unusually stable?

What makes aldehydes more reactive than ketones?

What are the 12 principles of green chemistry?

How do a polymer's properties change with its structure?

Why are the transition metals in the middle of the periodic table?

How do carboxylic acid derivatives vary in reactivity?

Why do 3+ metal-aqua form more acidic solutions than 2+ metal-aqua ions?

What type of isomerism do your hands have?

Why would storing sodium under a leaky roof be a bad idea?

Why can transition metals have different charges?

Why are some batteries reversible and others not?

How can you use partial pressure to calculate the total pressure?

What can the shape of a rate-time graph tell you about the order of a reaction?

What is the difference between strong and concentrated?

What is the difference between a monoprotic and diprotic acid?

What has greater disorder, solid, liquid or gas?

How do halogenoalkanes unlock a world of chemical versatility in AQA A Level Chemistry?

What makes alcohols significant in chemistry?

YEAR 13

What pivotal roles do alkenes play in AQA A Level Chemistry?

Why are alkanes crucial to understanding AQA A Level Chemistry?

What are the key features that define organic compounds?

How does the periodic table enable international communication?

Why are V^{3+} and V^{2+} different colours?

Do you use sodium chlorate (I) solution at home?

What is a barium meal?

How can two molecules collide and not react?

Why can iron oxide and aluminium be used to weld railway lines?

Why does the Haber process require certain conditions?

Why do some reactions give out heat energy whilst others absorb it?

What is Hess's law?

Why do simple molecules come in such a variety of shapes?

Can you weigh a single molecule of a substance?

Is the atomic model from GCSE all wrong?

Why does a car need a catalytic converter?

YEAR 12

What are intermolecular forces?

How can I calculate the number of moles of gas at a given volume, temperature and pressure?

Can I count the number of something by weighing it?

welcome

' Chemistry ought to be not for chemists alone. ' Miguel De Unamuno