



Use this alongside our Walkthrough Guides to tick off the concepts you're confident with to plan your study and find areas of improvement!

Atomic Structure

- I can describe the structure of an atom
- I can write the electron configuration of the first 20 elements
- I can describe and explain why atoms form ions
- I can describe an ionic bond and explain how ionic products form
- I can name ionic compounds, given a formula
- I can write the chemical formula for a compound, given its name

Reaction Rates

- I can describe and explain **collision theory**
- I can define and explain the term **activation energy**
- I can describe and explain the effect of changing concentration has on reaction rate
- I can describe and explain the effect of changing temperature has on reaction rate
- I can describe and explain the effect surface area has on the reaction rate
- I can describe and explain the impact of a catalyst on the reaction rate

Acids and Bases

- I can define an acid and a base
- I can predict the colour universal indicator will be in a certain substance
- I can describe and explain the pH scale
- I can predict how litmus paper will change in a certain solution

Neutralisation Reactions

- I know the expected products on neutralisation reactions
- I can balance an equation using both symbols and words
- I can describe and explain the procedure to produce a neutral salt