

Year 10 Chemistry REVISION CHECKLIST

As you begin your revision, complete this honestly to help you see where your priorities should lie for your revision. The target is eventually to get all your ticks in the left hand column.

I CAN:	☺	☹
Chemical changes		
Recognise hazard symbols and their warnings		
Draw diagrams of the arrangement of particles in solids, liquids and gases		
Explain what happens during a change of state		
Atomic structure		
Recall the charge, mass and position of the particles found in an atom		
Define atomic number and mass number		
Draw an atom of an element (atomic numbers 1- 20)		
Define an isotope		
Define an ion and be able to draw the electronic structure of an ion		
Ionic Bonding		
Recall that ionic bonding occurs between a metal and a non-metal		
Recall that electrostatic force holds oppositely charged particles together		
Recall the term for a positive ion and a negative ion		
Draw the electronic structure of an ionic compound (eg. NaCl) including square brackets and charges		
Covalent bonding		
Recall definition of a single covalent bond		
Be able to draw a dot and cross diagram of molecules of H ₂ , H ₂ O, HCl		
Acids and Alkalis		
Describe the use of Indicators (Litmus and Universal)		

Understand the pH scale		
Recall the reaction of acids and metals		
Recall the reaction of acids and metal carbonates		
Recall the reaction of acids and alkalis (neutralisation)		
Recall the reaction of acids and base		
Describe the practical procedure for making copper sulfate from copper oxide and sulfuric acid		
Recall that acids release hydrogen ions when placed in water		
Recall that alkalis release hydroxide ions when placed in water		
Name salts that are formed in the reactions of acids		
Recall that metal oxides are basic and non-metal oxides are acidic in water		
Describe 3 ways in which the speed of a reaction may be increased		
Describe the test for oxygen, hydrogen and carbon dioxide gas		
Periodic table		
Name the different groups in the periodic table		
Recall that group 1 contains the alkali earth metals		
Recall that group 7 contains gases called the halogens		
Recall that group 8 contains the noble gases		
Explain the reactivity of each group		
Formula		
Recognise the symbols of common elements		
Be able to use a periodic table to workout the formula of simple compounds		