Revision checklist

CC3 Atomic Structure

CC3a Structure of an atom

Step	Learning outcome	Had a look	Nearly there	Nailed it!
8 th	Describe how Dalton's ideas about atoms have changed.			
8 th	Describe how the subatomic particles are arranged in an atom.			
8 th	Explain how atoms of different elements are different.			
7 th	Recall the charges and relative masses of the three subatomic particles.			
8 th	Explain why all atoms have no overall charge.			
8 th	Describe how the size of an atom compares to the size of its nucleus.			

CC3b Atomic mass and number

Step	Learning outcome	Had a look	Nearly there	Nailed it!
7 th	State where most of the mass of an atom is found.			
7 th	State the meaning of atomic number.			
7 th	State the meaning of mass number.			
8 th	Describe how the atoms of different elements vary.			
8 th	State the number of electrons in an atom from its atomic number.			
8 th	Calculate the numbers of protons, neutrons and electrons using atomic and mass numbers.			

CC3c Atomic mass and number

Step	Learning outcome	Had a look	Nearly there	Nailed it!
7 th	State what is meant by an isotope.			
7 ^{ch}	Identify isotopes from information about the structure of atoms.			
8 th	Calculate the numbers of protons, neutrons and electrons using atomic numbers and mass numbers.			
9th	Explain why the relative atomic mass of many elements is not a whole number.			
10 th	Calculate the relative atomic mass of an element from the relative masses and abundances of its isotopes.			