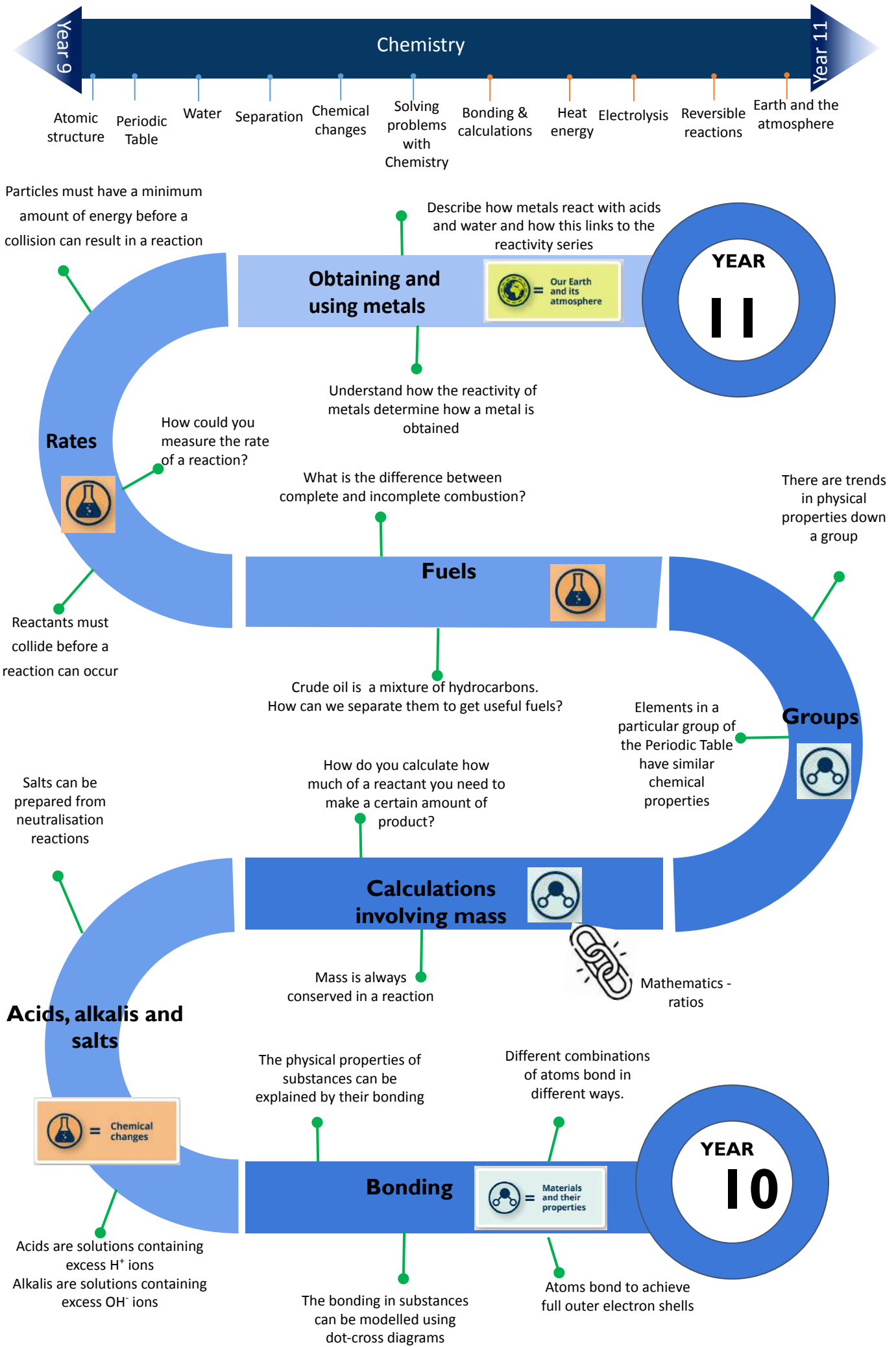


# Year 10 - Chemistry

In year 9 we developed our concept of the atom by introducing subatomic particles and linking these to the Periodic Table. In year 10 we introduce and use the three main types of bonding to continue through the big idea of materials and their properties. In the big idea of Chemical changes we will look in greater depth at acids and alkalis that we first looked at in year 7, as well as looking at fuels and rates. In the third big idea of the Earth and its atmosphere we will build on the Rocks topic from year 8 in the context of obtaining metals from ores.



# Year 11 - Chemistry

In year 10 you were introduced to the 3 main types of bonding models and you used these to explain the properties of different materials. We looked further at groups 1, 7 and 0 and their properties and reactivity. The chemical changes involving acids and alkalis and fuels were explained in year 10 and we investigated and explained what affected the rates of reactions. In year 11 we look at electrolysis introduce reversible reactions and look more deeply into what energy changes are involved in reactions. In year 11 we will build on our understanding of the Earth and its atmosphere by looking at the Earth as a source of metals and look at the evolution of the atmosphere and human impact on the it today.

