Topic 14 – The Reactions of Period 3 Elements and Their Oxides

* I can describe the reactions of Na and Mg with water
* I can describe the trends in the reactions of the elements Na, Mg, Al, Si, P and S with oxygen, limited to the formation of Na2O, MgO, Al2O3, SiO2, P4O10, SO2 and SO3
* I can describe the trend in the melting point of the highest oxides of the elements Na–S and explain this trend in terms of their structure and bonding
* I can describe and write equations the reactions of the oxides of the elements Na–S with water, limited to Na2O, MgO, Al2O3, SiO2, P4O10, SO2 and SO3, and the pH of the solutions formed, I can explain these trends in terms of the type of bonding present in each oxide and write equations for the reactions that occur between the oxides of the elements Na–S and given acids and base
* I can describe the structures of the acids and the anions formed when P4O10, SO2 and SO3 react with water
* I can write equations for the reactions that occur between the oxides of the elements Na–S and given acids and bases