

## Mark schemes

**Q1.****C***Hydrogen***[1]****Q2.****C***NaCl***[1]****Q3.****A***The boiling point of HX increases.***[1]****Q4.****C***They form a cobalt(II) complex with a tetrahedral shape.***[1]****Q5.****D***I<sup>-</sup>***[1]****Q6.****D***Iodide ions reduce chlorine to form chloride ions.***[1]****Q7.****B***The oxidising ability of the element decreases.***[1]**

**Q8.****D***OH<sup>-</sup>***[1]****Q9.****D***To prevent the precipitation of other silver compounds***[1]**