

1. Compare and contrast ionic and covalent compounds with respect to: (4 marks)
 - i) types of elements that form each compound

 - ii) the type of bonds that form in each compound

2. Complete the chart by identifying the type of compound and writing its name or formula.(20 marks)

Formula	Ionic (I) or Covalent (C) Molecule	Name
N_2O_5		
$MgSO_4$		
		Calcium chloride
		Iron (III) carbonate
		trihydrogen mononitride
		zinc hydroxide
P_3O_5		
$Sn_3(PO_4)_2$		
$LiOH$		
		tin (IV) sulfate
		calcium acetate

3. State the **Law of Conservation of Matter**.(2 marks)

4. State the **Law of Conservation of Mass**.(2 marks)

5. The skeleton equation is given, write the balanced chemical equation beside it. (10 marks)

