



Subject - Science

Week – June II

Grade - 10

Translated By – G.P.H. Weerasingha,
Kg/Dehi/Walagamba M.V.

Chemical Bonds

(1) Complete the following table.

Molecule	Lewis dot structure
H ₂	
Cl ₂	
NH ₃	
H ₂ O	

- (2) What are the special properties of water due to the intermolecular forces of water molecule?
- (3) The set up relevant to the activity 03 in page number 180 of your text book can be made at home. Use a 9V battery for the dry cell here. Take small amount (~30 g) of copper sulphate. Use a jam bottle instead of beaker. Wash your hands after the activity.

Solution	Bulb lighten / not lighten	Electricity conducts/not	Bond type of the compound
Sugar solution			
Copper sulphate solution			
Salt solution			

- 4) Mention four differences between covalent compounds and ionic compounds.
- (5) What are the lone pairs in a molecule?
- (6) Draw the structures of the following molecules and mark the lone pairs on them.
- (i) CO₂
 - (ii) N₂
 - (iii) Cl₂