Sangam SKM College-Nadi

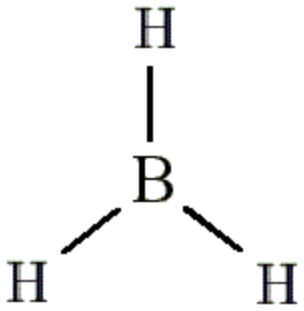
Year 12

Chemistry

Worksheet 4

Questions

1. Describe the reason for the trend of Electronegativity across the period.
2. Study the diagram of the Borane molecule below and answer the questions that follow:



(i) State the number of electron groups present in the Borane molecule.

(ii) Describe the electron group geometry of the Borane molecule.

(iii) Describe the molecular geometry (shape) of the Borane molecule.

3. Matching: Link the compounds in group A with their major type of solid in group B

Group A	Group B
Solid iodine	discrete molecular
Diamond	ionic
Copper	metallic
Graphite	covalent solids – linear solids
Aluminum	covalent solids – 2D structure
Silicon dioxide	covalent solids – 3D structure
Sodium chloride	
potassium chloride	
Plastics	
Polythene	
Iron	