

Sangam SKM College- Nadi

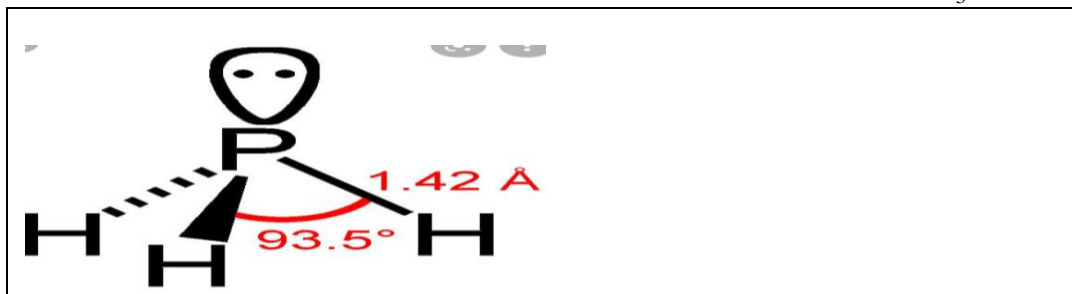
Year 12

Chemistry

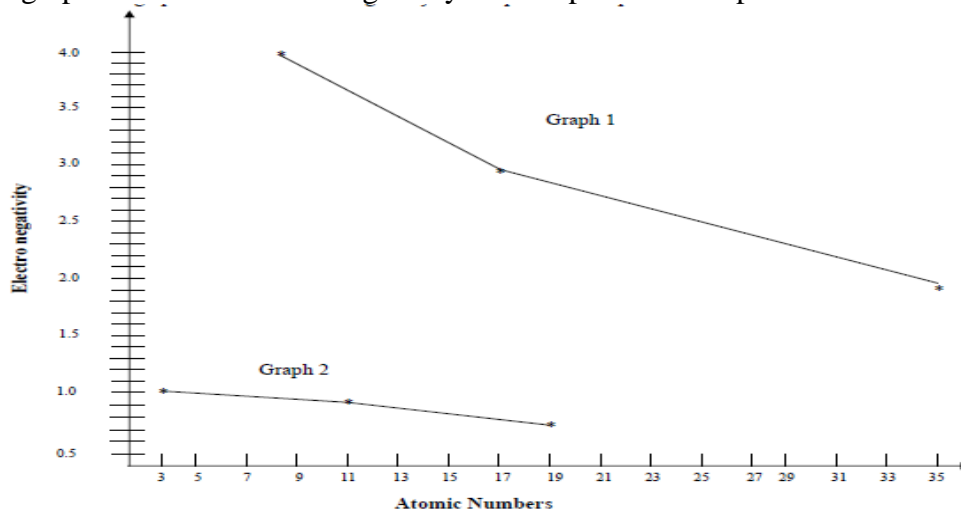
Worksheet 5

Questions

1. Draw the electron-dot diagram (Lewis structure) of the phosphine ( $\text{PH}_3$ ) molecule.



2. The graph shows the electro negativity of Group 1 and Group 7 elements.



Which particular graph shows the electro negativity of Group 7? Give a reason for your answer?

Graph 1- electronegativity decreases down the group

3. Fluorine and lithium are in the same period. Why does fluorine have a higher electronegativity value than lithium?  
Because F has more valence electrons compared to Li. Hence nucleus attraction for valence electrons increases and electronegativity also increases.