1. The increasing order of bond angles in $H_2S,\ NH_3, BF_3$ and SiH_4 is:

   A. $H_2S < NH_3 < SiH_4 < BF_3$

   B. $NH_3 < H_2S < SiH_4 < BF_3$

   C. $H_2S < SiH_4 < NH_3 < BF_3$

   D. $H_2S < NH_3 < BF_3 < SiH_4$

2. Which of the following compounds has the smallest bond angle?

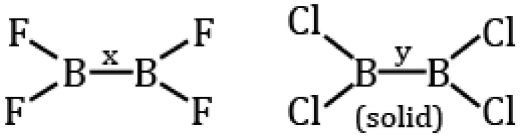
   A. H_2S

   B. H_2O

   C. NH_3

   D. SO_2

3. Compare $B-B$ bond lengths in the following molecules:



   A. $x > y$

   B. $y > x$

   C. $x = y$

   D. None of these

4. Which of the following statement is incorrect regarding O_2F_2?

A. $O-F$ bond length in O_2F_2 is longer than $O-F$ bond length in OF_2

B. The oxidation state of oxygen in O_2F_2 is $+1$

C. The $O-O$ bond length in O_2F_2 is shorter than $O-O$ bond length in H_2O_2

D. None of these

5. Which of the following molecules do not have hybridisation?

A. AsH_3

B. H_2S

C. H_2Se

D. All of the above