

Ques-61 In the structure of diborane

- <a> all hydrogen atoms lie in one plane and boron atoms lie in a plane perpendicular to this plane
- 2 boron atoms and 4 terminal hydrogen atoms lie in the same plane and 2 bridging hydrogen atoms lie
- <c> 4 bridging hydrogen atoms and boron atoms lie in one plane and two terminal hydrogen atoms lie in a plane perpendicular to this plane.
- <d> all the atoms are in the same plane.

Answer Four terminal hydrogen atoms and two boron atoms lie in the same plane and two hydrogen atoms forming bridges lie in a plane perpendicular to the rest of the molecule.