

Q5. Acidity of BF₃ can be explained on the basis of which of the following concepts?

(a) Arrhenius concept

(b) Bronsted Lowry concept

(c) Lewis concept

(d) Bronsted Lowry as well as Lewis concept

Sol: (c) According to Lewis concept, a positively charged or an electron deficient species acts as Lewis acid. BF₃ is an electron deficient compound with B having 6 electrons only.