

Which of the following hydrides is electron-precise hydride?

(A) B_2H_6

(B) H_2O

(C) CH_4

(D) NH_3

Answer: (C)

Reason:

According to the convention used to draw lewis structure, we can see that CH_4 is the only electron precise hydride (C has 8 electrons). In other hydrides, central elements don't satisfy octet rule.