Question #60474, Chemistry / Other |

Halide of an element when heated with LiAlH4 to give compound (B). Compound (B) reacts with H2O to give compound (C) which is antiseptic. Find A B & C.Write down structure of compound (B).

Answer:

E is B (Boron).

A: BHal₃

 $4BHal_3 + 3LiAlH_4 \rightarrow 4BH_3 + 3LiHal + 3AlHal_3$

B: BH₃



 $BH_3 + 3H_2O \rightarrow B(OH)_3 + 3H_2$

C: B(OH)₃

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