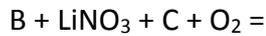


Task #81839

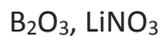
What happens when the products of this reaction:
 $B + LiNO_3 + C + O_2 \rightarrow$ interact with air?

Solution.



Since it is not said under what conditions this reaction was carried out, among the above substances, only C and O_2 react with each other. Other substances do not react with each other due to the non-specificity of this reaction (for example, the temperature must be very high when fusing B_2O_3 and C). During the reaction process, the products will be B, $LiNO_3$ and CO_2 . In air, CO_2 will evaporate, and boron will turn into B_2O_3 ($4B + 3O_2 = 2B_2O_3$). $LiNO_3$ will diffuse within 10-15 minutes.

Answer:



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