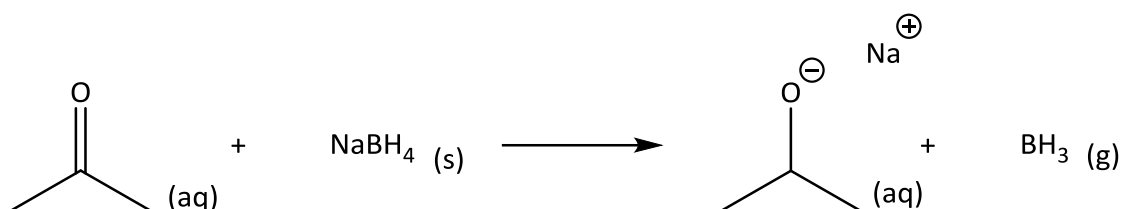


Question#71473 – Chemistry – General chemistry

Question: How can I test a chemical to see if it is sodium borohydride dihydrate ($\text{NaBH}_4 \cdot 2\text{H}_2\text{O}$) with limited resources to hand (Basic Chemistry set equipment)?

Answer: You have to dilute a simple ketone like acetone (1 eqv) or other in water (5 ml per 1 mmol of the ketone; if the ketone is not so simple use a mix water/dioxane 1:1) and add portionwise sodium borohydride dihydrate (1.5 eqv). If it is really sodium borohydride dihydrate you will see an active gas formation:



Answer provided by <https://www.AssignmentExpert.com>