

## **ORGOREVIEW**

### **Question Vault**

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Dr. Oatis has four bottles that each contain a different bromide, A-D. Unfortunately, the labels fell off and she does not know which bottle contains which compound. Compounds A-D were individually treated in two different reactions. The results are summarized in the table below

## Bottle # 1 No reaction Rapid reaction that gives HBr Bottle # 2 Does not react at room temperature. Reacts slowly to give HBr Reacts upon heating to give NaBr precipitation Bottle # 3 Reacts within 5 minutes at room temperature to give NaBr precipitate Bottle # 4 Reacts within several hours at room No reaction

Results of reaction 2

Results of reaction 1

temperature to give NaBr precipitate

Bubble in the correct answer,	compound A, B, C, or D	for questions 13-16.	Remember that each I	bottle contains a	different bromide!

- a. Which compound is in bottle #1?
- b. Which compound is in bottle #2?
- c. Which compound is in bottle #3?
- d. Which compound is in bottle #4?

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