

Answers to problems in page 311

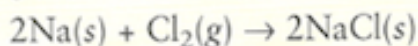
Answers to Practice Problems D

1. 2.89×10^{24} molecules BrF_5
2. 2.22×10^{19} molecules Br_2

Homework GENERAL

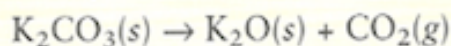
Additional Practice

1. If 2.46×10^{25} molecules of chlorine react completely, how many grams of NaCl will form?



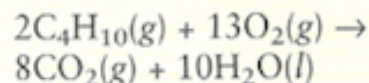
Ans. 4.77×10^3 g NaCl

2. How many molecules of carbon dioxide are produced when 79.5 g of K_2CO_3 decompose?



Ans. 3.46×10^{23} molecules CO_2

3. How many water molecules form from the complete combustion of 1.129×10^{24} molecules C_4H_{10} ?



Ans. 5.645×10^{24} molecules H_2O

 Logical