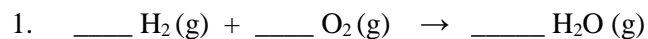


Name _____

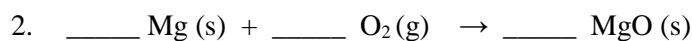
Date _____ Period _____

Mole Stoichiometry

Balance the skeleton equations. Solve the stoichiometry problems using the mole ratios. All work must be shown. Draw a box around your answer.



How many moles of hydrogen are needed to completely react with 2.00 moles of oxygen gas?



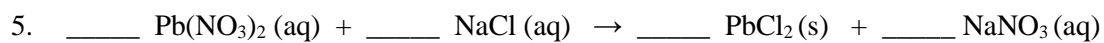
How many moles of magnesium oxide are produced when 9.00 moles of oxygen gas are reacted?



How many moles of iron (II) chloride are produced from the complete reaction of 4.50 moles of iron?



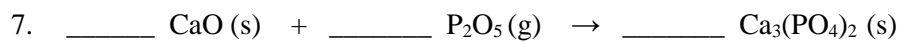
How many moles of oxygen are necessary to react completely with 3.50 moles of hydrogen gas?



How many moles of lead (II) chloride are produced when 0.650 moles of sodium chloride react completely?



How many moles of oxygen will be produced when 0.475 moles of hydrogen peroxide breaks down completely?



How many moles of calcium phosphate are produced when 0.125 moles of calcium oxide react completely?

5. 1, 2, 1, 2
0.325 mol PbCl_2

3. 1, 2, 1, 1
4.50 mol FeCl_2

1. 2, 1, 2
4.00 mol H_2