CHEMISTRY MATTERS
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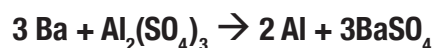**Unit 6E Practice Problems VI**
Limiting Reactants

Name:

Date:

1. Suppose it takes 1 pizza crust, 2 cups of sauce, and 1 cup of cheese to make a cheese pizza. You have 5 pizza crusts, 15 cups of sauce, and 3 cups of cheese.

    a. How many cheese pizzas can you make? SHOW ALL WORK!

    b. What ingredient would be considered the limiting reactant? _____

2. Use the following BALANCED equation.

$$3\ Ba + Al_2(SO_4)_3 \rightarrow 2\ Al + 3BaSO_4$$

    a. How many grams of aluminum will be produced if 12.0 g of Ba react with 9.0 g of $Al_2(SO_4)_3$?

    b. What ingredient would be considered the limiting reactant? _____

    c. What is the excess reactant? _____

BONUS: How many grams of the excess reactant will be left over? SHOW ALL WORK — use the back if necessary.