6.4 Limiting Reactants (S) Notes

Review from last week: What are the Reactants? What are the Products?

\_\_\_Bread + \_\_\_Cheese + \_\_\_Ham→ \_\_\_ Bread**2**Cheese**3**Ham

“Moles” (Slices):

What if we had 6 slices of bread and 6 slices of cheese, but wanted to make *this* sandwich?

Bread: 25 g / slice

Cheese: 80 g / slice

Ham: 100 g / slice

Grams:

\_\_\_Bread + \_\_\_Cheese + \_\_\_Ham→ \_\_\_ Bread**2**Cheese**3**Ham

“Moles” (Slices):

What if we had 2,000 g of bread and 4,000 g of cheese, but wanted to make *this* sandwich?

Theoretical Yield

Limiting Reactant

Grams:

N2 + 3H2 → 2NH3

Moles:

Grams:

N2 + 3H2 → 2NH3

Moles:

HW/Practice: pg 314, #1-3; pg 319, #8, 13