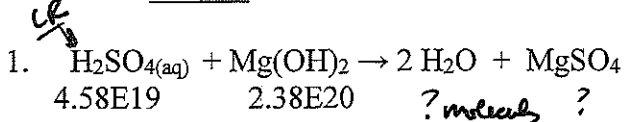


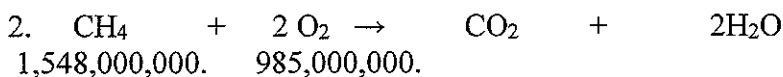
(#6-2)  
Chemistry  
Particles, Limiting and Excess #3

- For each of the following problems complete:
  - Complete and balance if needed.
  - Determine Limiting and excess reactant.
  - Determine the amount of excess
  - Determine the number of molecules/atoms of each product that can be formed.



$$4.58 \cdot \frac{2}{1} = 9.16 \text{E}19$$

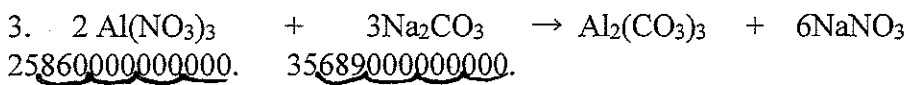
I. 4.58E19    2.38E20
S. -4.58E19    -4.58E19    + 9.16E19    -4.58E19
E.    0    1.92E20



Notice  
1.548E9  
is equal

I. 1.548E9    9.85E8
S. -4.92E8    -9.85E8    + 4.92E8    + 9.85E8
E. 10.5E8    0

$$9.85 \text{E}8 \cdot \frac{1}{2} = 4.925 \text{E}8$$

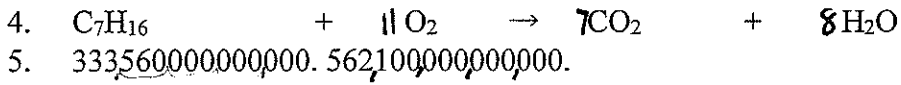


I. 2.586E13    3.568E13
S. -2.37    -3.568    + 1.189E13    + 7.136E13
E. 0.207E13    0

$$3.568 \cdot \frac{2}{3} = 2.378 \text{E}13$$

$$3.568 \cdot \frac{1}{3} = 1.189$$

$$3.568 \cdot \frac{6}{3} = 7.136$$



I. 3.335E14    5.62E14
S. 0.51    -5.62    + 3.5    + 4.08
E. 2.82E14    0    3.5E14    4.68E14

$$5.62 \cdot \frac{16}{11} = 8.11 \quad \Bigg| \quad 5.62 \cdot \frac{7}{11} = 3.5 \quad \Bigg| \quad 5.62 \cdot \frac{8}{11} = 4.08$$