Answer on the Question #42452, Chemistry, Inorganic Chemistry
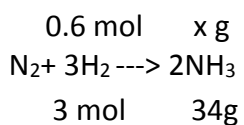
Question:

$N_2 + 3H_2 \longrightarrow 2NH_3$
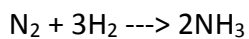
If 0.3 mole of N_2 were reacted with 0.6 mole of H_2, what mass of NH_3 could form?
AW's: N=14g, H=1g

Solution:

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    0.6 mol      x g
N₂+ 3H₂ ---> 2NH₃
    3 mol       34g
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x = 6.8g

The calculations are based on the amount of H_2 because the N_2 is in excess.

Answer: 6.8g