

**When Nitrogen Reacts with Hydrogen to produce ammonia gas.**

Write the BCE for the above reaction with the proper subscripts.

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Confirm this with someone!

- A) How many moles of ammonia will be formed if 5.0 moles of nitrogen react?
  
- B) How many moles of hydrogen will react to form 1.33 moles of ammonia?
  
- C) What mass of hydrogen is required to react with 4.0 moles of nitrogen?
  
- D) If 7.0 moles of hydrogen react with excess nitrogen, what mass of ammonia will form?
  
- E) If 55.00 g of nitrogen react, what mass of ammonia will form?
  
- F) If 45.00 g of hydrogen react, how many grams of nitrogen are needed?
  
- G) If 10.00 g of ammonia is formed, how many atoms of nitrogen were used?