1   Substances A and B combine to form substance C in the chemical equation 3 A + 2 B --> 4
     C. If 12 mol A and 6 mol B react completely, how many moles of C are formed?

         A   16 mol C
         B   12 mol C
         C   6 mol C
         D   None of the above

2   Substances A and B combine to form substance C in the chemical equation 3 A + 2 B --> 4
     C. If 12 mol A and 6 mol B react completely, how many moles of A remain unreacted?

         A   0 mol A
         B   3 mol A
         C   6 mol A
         D   None of the above

3   Substances A and B combine to form substance C in the chemical equation 3 A + 2 B --> 4
     C. If 12 mol A and 6 mol B react completely, how many moles of B remain unreacted?

         A   0 mol B
         B   2 mol B
         C   4 mol B
         D   None of the above

4   Substances A and B combine to form substance C in the chemical equation 3 A + 2 B --> 4
     C. If 12 mol A and 6 mol B react completely, how many total moles (of A, B and C)
     remain?

         A   6
         B   12
         C   18
         D   None of the above