|           | Reactants | Products |
|-----------|-----------|----------|
| Nitrogen  | 2         | 2        |
| Hydrogen  | 6         | 6        |

o   The balanced form of this equation is $N_2 + 3H_2 \rightarrow 2NH_3$

Here we see a total of 2 nitrogens (1 grouping of 2) and 6 hydrogens (3 groupings of 2) entering and the same number leaving (2 of a group containing 1 nitrogen and 3 hydrogen)