

Atom Economy

1. What is the atom economy for making hydrogen by reacting coal with steam?

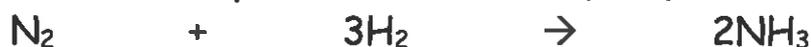


2. Lithium hydroxide will react with nitric acid to produce lithium nitrate and water. What is the atom economy if our product is lithium nitrate.

3. Calculate the atom economy percentage for the Blast Furnace reaction. The desired product is iron and the waste product is carbon dioxide



4. Calculate the atom economy percentage for the Haber Process. The desired product is ammonia (NH_3).



5. Calculate the atom economy percentage for the Oswald Process (the desired product is nitric acid).

