

- High pressure is <u>costly</u>, and poses <u>greater safety risks</u>.
- slow reaction.

by volum converte beds of finely unreacted divided catalys N₂ and H₂ recycled to top of converter cooler OUT This mind-map is created by OVERMUGGED. liquid ammoni

• Aqueous NH3 is a weak alkali that

produce low concentration of OH- ions.

 $NH3(q) + H2O(l) \rightleftharpoons NH4+(aq) + OH-(aq)$

plastics, textiles, pesticides and dyes.

• Low temperature -> Increase yield, but a low temperature will result in a

• More efficient to use a higher temperature to incrase rate of reaction. • Unreacted gases will be <u>recycled</u> via the chamber and eventually 98% of the reactants will be converted to ammonia. Hence, yield is not a priority.