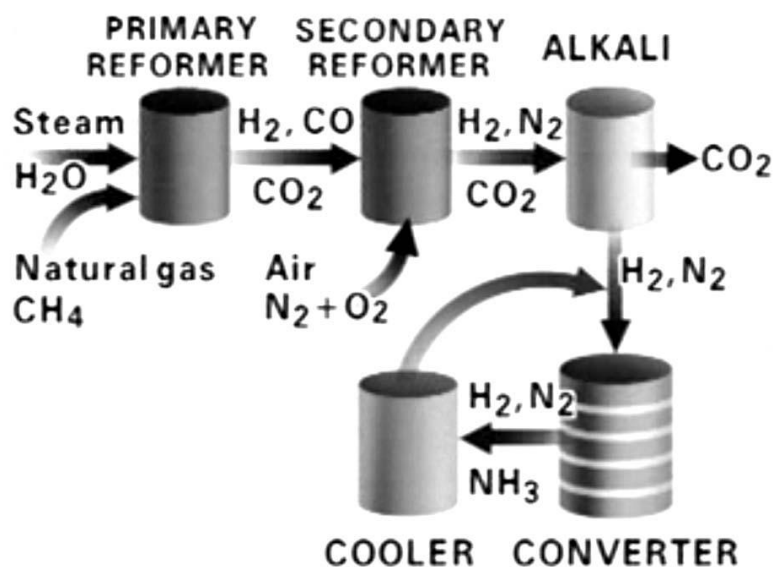


# Ammonia Synthesis

The following diagram is taken from a film about ammonia production, which can be downloaded from the internet site

[www.rsc.org/education/teachers/learnnet/alchemy/index2.htm](http://www.rsc.org/education/teachers/learnnet/alchemy/index2.htm)



- 1.) Watch the film, then write down the reaction equations for the reactions taking place in the
  - a) primary reformer (2 reactions)
  - b) secondary reformer (2 reactions)
  - c) converter (1 reaction)
- 2.) How does the constant removal of ammonia in the cooler influence the equilibrium in the converter?