

Chemical Equilibrium The Haber Process Comprehension Questions

View the video attentively. After you have finished watching, complete the following comprehension questions and tasks.

١.	write air equation showing now hitrogen and hydrogen react to produce animonia.
2.	Explain why the structure of nitrogen (N_2) makes its reaction with hydrogen (H_2) difficult in practice.
3.	Fill in the missing words using the word bank. Use each word once only.
	ammonia heat exothermic hydrogen energy
4.	Nitrogen and hydrogen molecules lose when they combine, releasing it in the form of Since this reaction is, cooling the equilibrium mixture down favours the reaction that produces over the reverse one that turns it into nitrogen and a) Give a definition of a 'catalyst'.
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	b) For the production of ammonia, is a catalyst alone enough to make the process effective? Why or why not?
5.	How does increasing the pressure help make the production of ammonia more effective?

