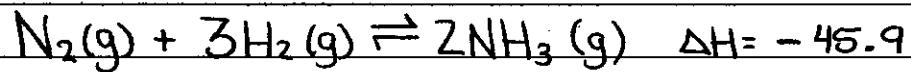


Haber's Process - Reverse LCP Problem



Play with Temp.

D: shift to right

H: exothermic reaction *

R: $\uparrow Q$

S: $\downarrow Q$ ∵ as low a temp. as you can get away with

God was to make more

NH₃

(i.e. shift left)

Play with Volume / Pressure

D: shift to right

H: ↓ moles of gas *

R: $\downarrow P$

S: $\uparrow P$ ∵ lower temp. (+ catalyst) + higher pressure \Rightarrow more NH₃

#10 on work sheet

How?

* temp \Rightarrow endothermic / exothermic reaction

press \Rightarrow make more / less moles of gas

conc. \Rightarrow use / ~~remove~~ a particular substance
make