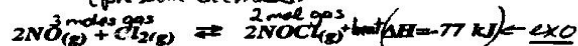




3

- d) H<sub>2</sub> gas is removed from the system..... Answer P<sub>CH<sub>3</sub>OH</sub> decreases (shift left)
- e) A catalyst is added..... Answer no change
- f) The total volume of the container is increased..... Answer P<sub>CH<sub>3</sub>OH</sub> decreases (shift left)  
(pressure decreased)

10. For the reaction:



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state the optimal pressure and temperature conditions necessary for maximum production of NOCl. (you want it to shift right and produce more NOCl)

high pressure      low temperature

