

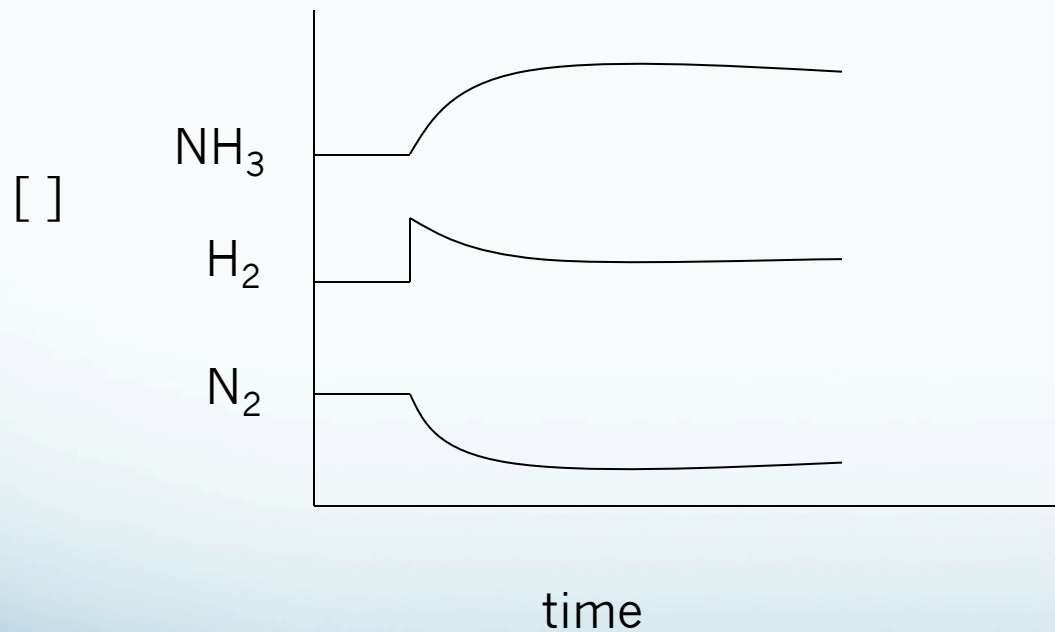
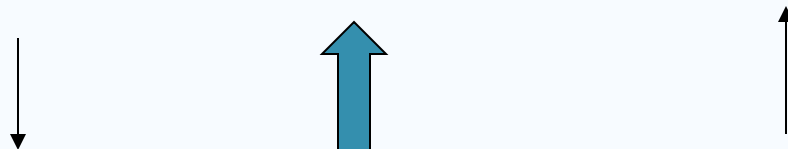
Interpreting Graphs

- These graphs will show what is happening when a stress is applied
- The concentration vs. time graphs show what is happening to each reacting species when the stress is applied
- On any graph an equilibrium is shown by a flat horizontal line
- After the stress has been applied, the line curves up or down depending on the situation, and then it levels off at a new equilibrium level

- The stress is indicated by a sharp peak (up for increases and down for decreases)
- The rest of the lines gently curve up or down depending on Le Chatelier
- Temperature changes cause all reacting species to have gentle curves in the appropriate directions



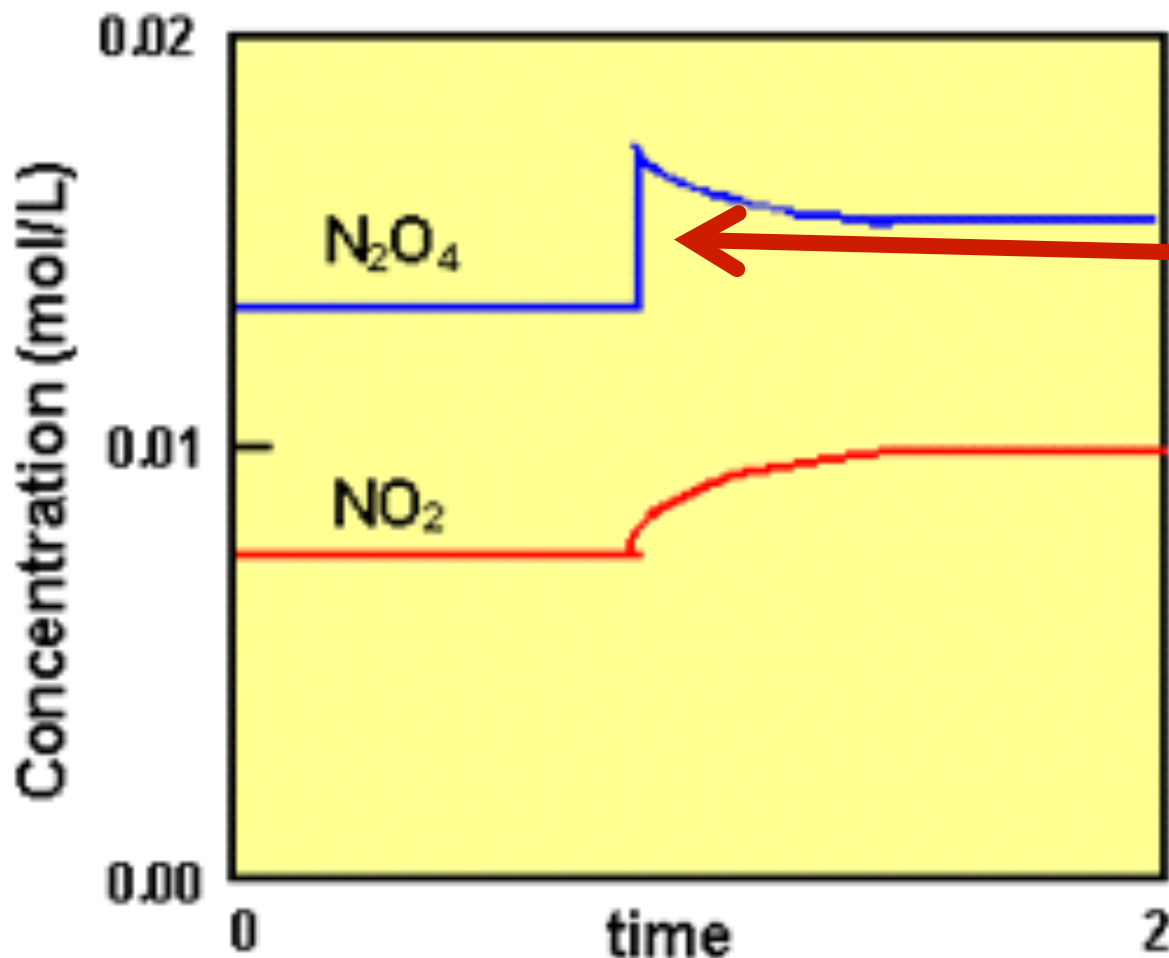
What happens when H_2 is added?



Adding N₂O₄



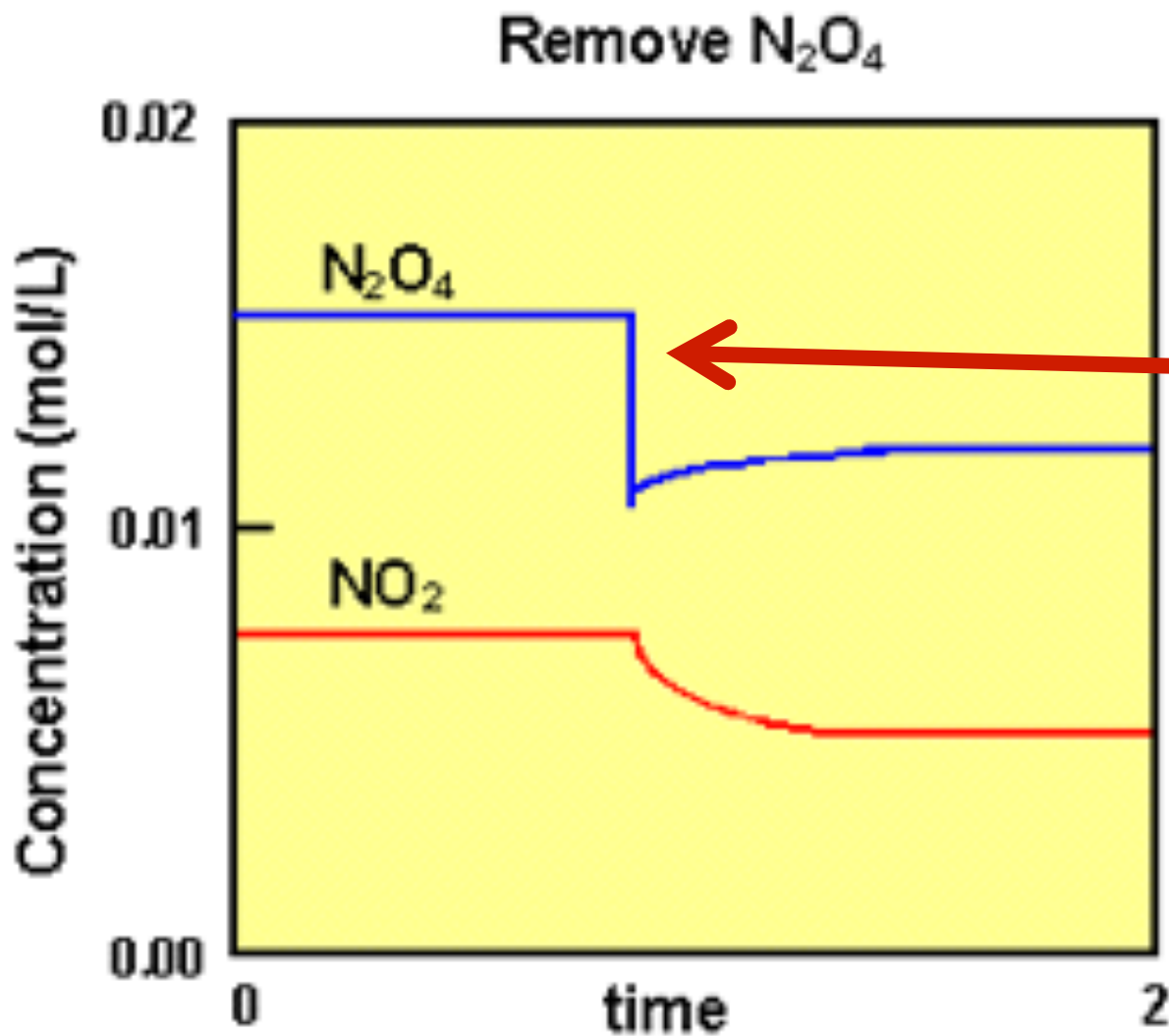
Add N₂O₄



Addition of N₂O₄

Sudden increase of N₂O₄,
But shifts to reactant side, NO₂ increases and equalizes after.

Removal of N₂O₄



Removal of N₂O₄

Sudden drop of N₂O₄ concentration, But shifts to back to product side, N₂O₄ is regained a tiny bit and equalizes

