



DYNAMIC EQUILIBRIA

Dynamic equilibrium in a closed system

What is a closed system?

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What happens at dynamic equilibrium?

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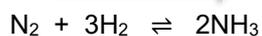
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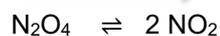
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Energy changes in reversible reactions

-92 kJ/mol (exothermic)



+58 kJ/mol (endothermic)



Le Chatelier's principle

If the conditions of a reaction at equilibrium are changed, then the position of the equilibrium moves to oppose that change.

(see over the page)

The effect of catalysts on an equilibrium

A catalyst increases the rate of both the forward and reverse reactions equally.

It does not change the position of the equilibrium, but it reaches equilibrium faster.

