

Reversible reactions – the products can react to produce the original reactants. If it is exothermic in one direction, it will be endothermic in the other direction (no overall energy change)



Equilibrium – when the amounts of reactants and products reach a balance. This only happens in a 'closed system' (nothing can escape or get in)



Le Chatelier's principle – if you change the conditions of a reversible reaction at equilibrium, the system will try to counteract the change. The yield can be altered to end up with more of the desired product.

Temperature	Raise the temperature to increase yield of endothermic reaction. Reduce the temperature to increase the yield of the exothermic reaction
Pressure	Raise the pressure to increase the yield of the reaction which produces less volume. Lower the pressure to increase the yield of reaction which produces more volume
Concentration	Increase concentration of a reactant to increase the yield of the product.