Induction period: A - KI > X - k2 > Z Z is formed from A, not directly but via on intermediate X, there will be a time lag between the sout of diappearance of a and the start of formation of Z. This time is called induction time. If the intermediate X is very unisable tue induction time will be short. On the other hand, if X issufficiently Stable, then the induction time wilth long. In melementary on single step reaction (Z is formed directly from A), there is no induction time,