

the rate of the dissociation of the _____ into products
activation complex

[CHM201] A first order phase transition is a transition in which the first derivative of the chemical potentials with respect to temperature is _____
discontinuous

[CHM201] Molecularity is the _____ coming together to react in an elementary reaction
number of molecules

[CHM201] The _____ of the concentration terms in the chemical equation is order
product of powers

[CHM201] An assumption of kinetic theory of gas is that the molecules of the gas exert no appreciable attraction on each other and behave as _____ body
perfectly elastic

[CHM201] For the reaction, $P + Q \rightarrow \text{Products}$, to be a second order, then the reaction rate will depend on _____
concentration of P and Q

[CHM201] In a second order reaction, the specific rate constant depends on _____
initial concentration

[CHM201] An additional assumption of the collision theory is that the molecules must be properly _____ at the point of collision
oriented

[CHM201] Consider the reaction, $R \rightarrow \text{Products}$. This type of reaction can be termed as _____
unimolecular reaction

[CHM201] The energy barrier that must be overcome before reaction can occur is called _____
activation energy

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