Kinetic chemistry (321 C) for 3rd Year Chemistry Students

[1] The rate determining step is …….step in the reaction.

[2] According to the steady state approximation: "the concentration of all intermediates remain …….. during the reaction".

[3] The ionization reaction: $SM \rightarrow S^+ + M^-$ is ……. in gas phase.

[4] In the following reaction: $-\frac{d[A]}{dt} = k_r \frac{k_D}{k_{-D}}[A][B]$, the effective rate constant is ……..

[5] In the gas phase, the rate of the diffusion step is ……than the rate the main reaction step.

[6] The ionic strength of Na_2SO_4 (0.05 M) solution is ……

[7] When the activated complex is formed between ions with opposite charges, the entropy of activation will ……..……..