Reaction Kinetics

Sr	Questions	Answers Choice
1	Unit of k for second order reaction is	A. mol dm-3 B. s-1 C. mol-1 dm3 s-1 D. mol -2 dm⁶ s-1
2	Unit of half life is	A. mol B. s C. mol dm-3 D. J
3	Rate = k [A] ; defines	A. Stoichiometry B. Reaction order C. Reaction mechanism D. Titration
4	The rate of reaction .	A. Increase as the reaction proceeds B. Decreases as the reaction proceeds C. Remains the same as the reaction proceeds D. May decrease or increse as the reaction proceeds
5	Effect of temperature on rate is	A. Negligible B. Linear C. Exponential D. Logarithmic
6	In a chemical reaction, a catalyst.	A. Alters Delta H B. Lowers activation energy C. Is consumed D. Forms product
7	Energy profile shows	A. Concentration B. Temperature C. Energy vs reaction progress D. Time
8	Catalyst usually act in	A. Initialion step B. Rate determining step C. Fast step D. Intermeiate formation
9	Rate constant can be determined by	A. Titration B. spectroscopy C. conductometry D. all of these
10	For gaseous reactions, rate is ofter monitored by	A. Mass change B. pH change C. Pressure change D. Temperature change
11	Rate of fastest	A. At start B. In middle C. At end D. After completion
12	Unit of rate for gaseous reaction are.	A. mol dm-3 s-1 B. atm C. mol D. kg s-1
13	Which order has constant half life	A. First B. Zero C. Second D. Third
14	Effective collisions are those that.	A. Have enough energy and proper orientation B. Are elastic C. Are in vacuum D. Produce no change

15	Higher pressur eincreases rate for	A. Solids B. Gases C. Liquids D. All phases
16	First order reactions are best studies using.	A. log [A] vs time B. Pressure vs time C. [A] vs time D. Titriation
17	A zero order reaction has rate	A. Proportional to [A] B. Independent of [A] C. Proportional to time D. Zero
18	Unit of rate constant for first order reaction is	A. mol dm-3 B. mol -1 dm3 s-1 C. s-1 D. J mol-1
19	Rate determining step controls	A. Overall rate B. Temperature C. Volume D. Final yield
20	Collision frequency depends on	A. Pressure B. Concentration C. Temperature D. All of these