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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Chemical Equilibrium and Chemical Kinetics Crossword Puzzle

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| **Across****4.** The equilibrium constant in chemical equilibrium that is based on the concentration **7.** inhibitor that competes for active site**12.** If the product in the rx. N2 + 3H2 <====> 2NH3 is removed, which side will equilibrium shift?**13.** the concentration of A is final minus \_\_\_\_\_\_\_\_\_**14.** In a reaction rate if the temperature increases then the rate \_\_\_\_\_\_\_\_\_**15.** a homogeneous factor affecting rx. rate (includes polarity and size)**16.** A+B+C====>D**18.** In the reaction 2NO + O2 <===> 2NO2, if pressure is increased which side will it shift to? | **Down****1.** In the formula Kp=Kc (RT)^change in "n", what does R stand for?**2.** inhibitors that deforms enzyme's active site**3.** A+B===>C**5.** In the formula ln(K2/K1) = Ea/R (1/T1 - 1/T2), Ea stands for \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_**6.** A ==> B+C**8.** If K is known for a first order half life rx. then t 1/2= \_\_\_\_\_\_\_\_/k**9.** the rate is equal to the concentration of A over the change in \_\_\_\_\_\_\_\_\_\_**10.** The increase in temperature will cause a reaction to shift to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ side**11.** These enzymes bind to allosteric site **17.** An enzyme that increases in rate without being consumed |