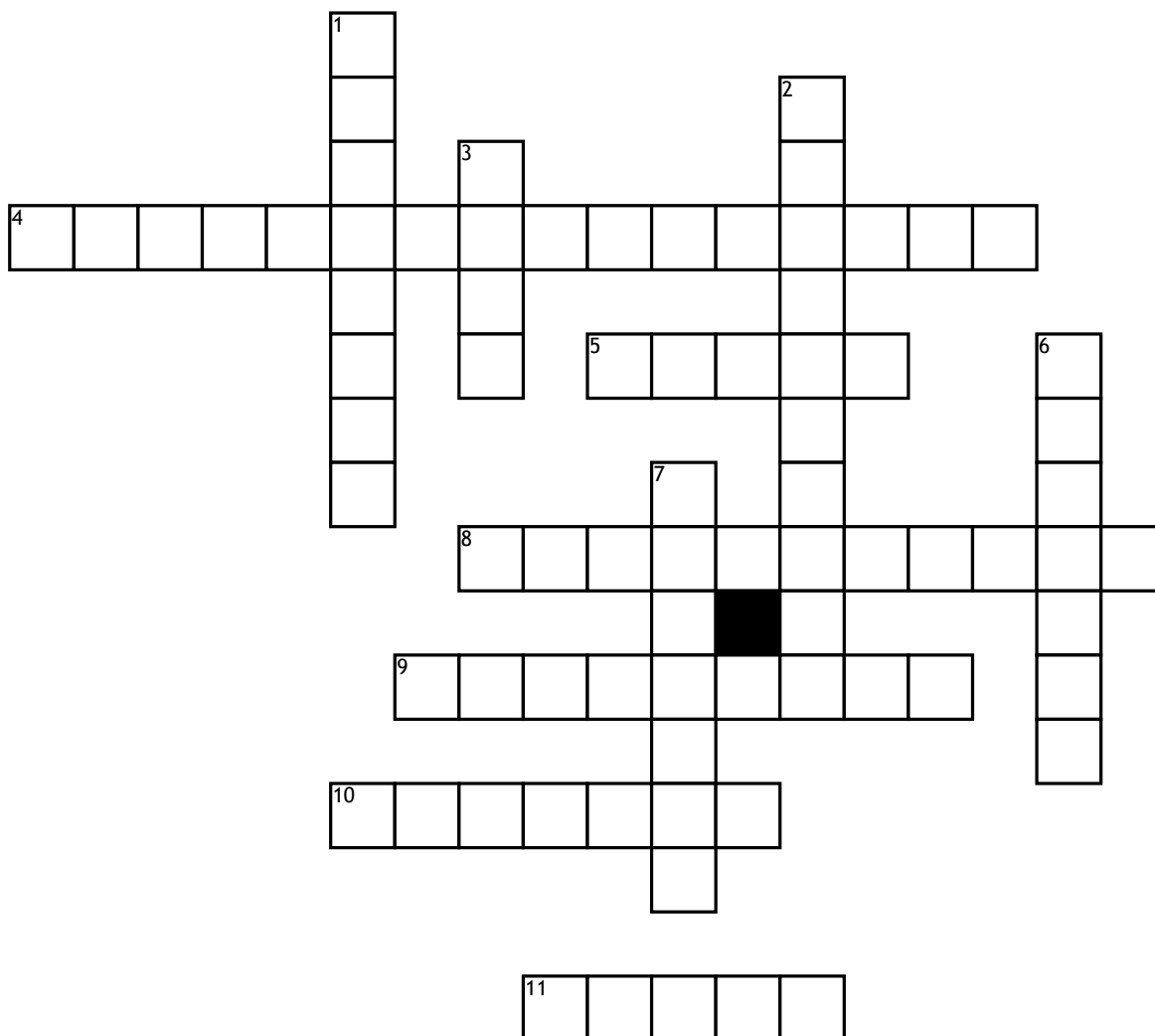


Chemical Kinetics and Chemical Equilibrium



Across

4. This acts as an intermediary between the reactants and products in a reaction
5. What order is the reaction $A + 2B \rightarrow C$?
8. Properties, concentration, temperature, and catalysts are examples of factors that affect _____ reactions.
9. This prevents a substrate from the action of an enzyme
10. For the equation $N_2(g) + 2O_2(g) \rightarrow 2NO_2(g)$, the concentration of NO_2 is _____.
11. The unit for k in a first order reaction

Down

1. this happens to an enzyme if the temperature goes above or below the temperature range
2. The exponents in a rate law equation are determined by
3. For the reaction $NH_4Cl(aq) \rightarrow NH_3(g) + HCl(g)$ the equation will shift _____ when pressure is increased.
6. Pure solids and _____ are left out of an equilibrium constant expression.
7. For $K_c = \frac{[A][B]^2}{[C]}$, if A is halved and B is doubled, the value of K_c _____