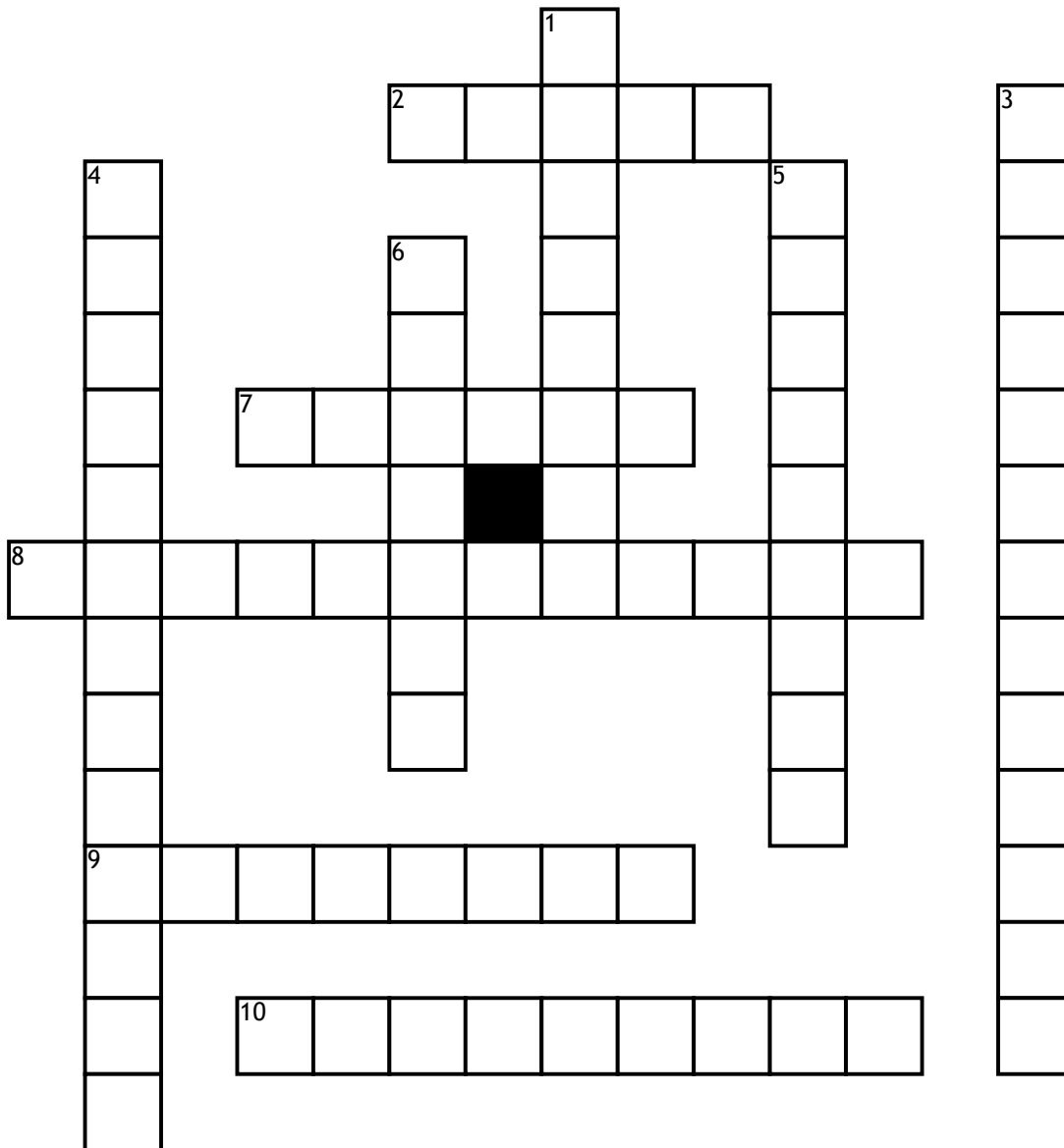


Pyruvate Carboxylase



Across

2. Number of domains per subunit
7. The cofactor that is essential for PC to function
8. Product of this step in gluconeogenesis
9. Pyruvate carboxylase has this tertiary structure
10. Biotin is not carboxylated until this molecule is bound to the allosteric site

Down

1. The amino acid in the active site that stabilizes the negative charges on the bicarb and ATP
3. The reactant activated in the first step of the mechanism
4. What happens to pyruvate in the grand scheme of this reaction
5. The allosteric inhibitor of PC
6. Important intermediate in the mechanism