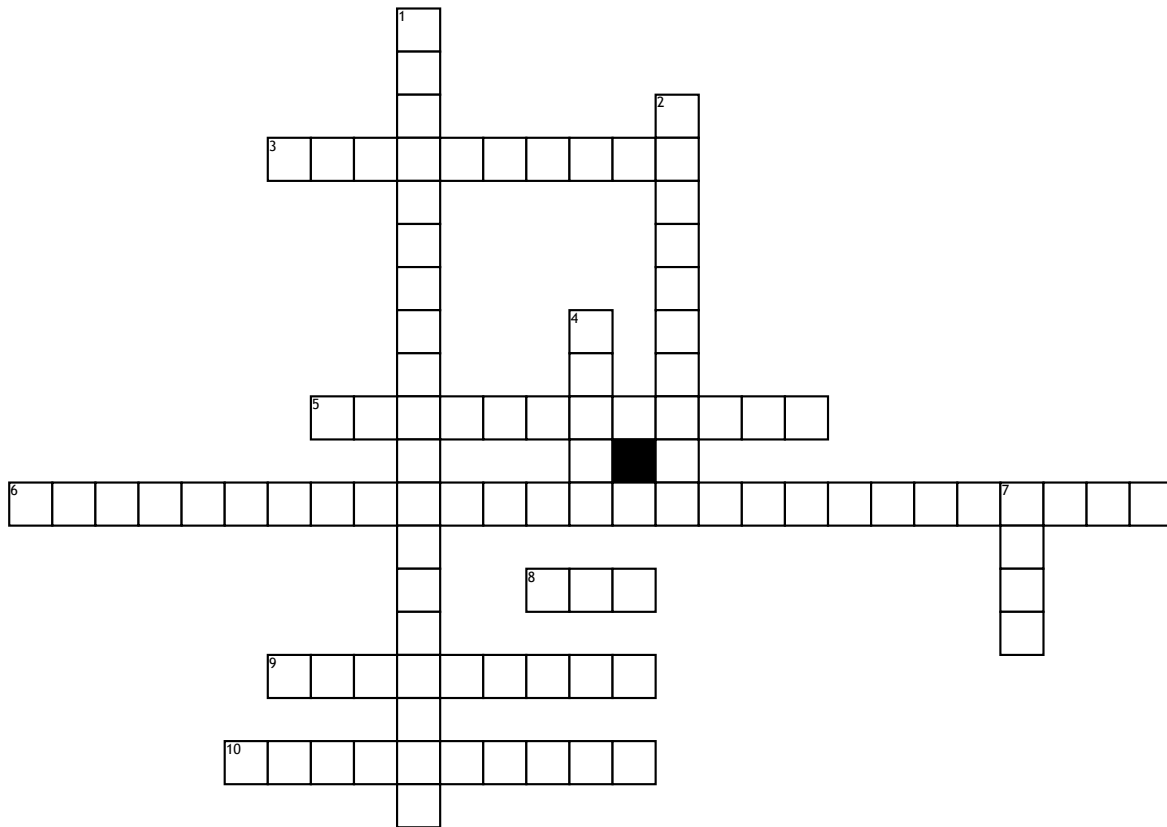


# PDH and TCA



## Across

3. ATP is an \_\_\_\_ inhibitor of both PDH and TCA pathways.

5. The favorable reactions in the PDH pathway and TCA cycle are \_\_\_\_.

6. the \_\_\_\_ enzyme of TCA cycle is similar to the PDH pathway being it requires the same 5 co-enzymes.

8. \_\_\_\_ is an allosteric activator of the PDH pathway and TCA cycle.

9. An end product of the PDH pathway and a start product/substrate of TCA cycle.

10. A deficiency in the PDH complex or a pyruvate carboxylase deficiency associated with TCA cycle results in a build up of \_\_\_\_.

## Down

1. Where does TCA cycle and PDH complex occur in eukaryotes?

2. Where do product inhibitors bind to the enzyme?

4. How many points of regulation does the PDH pathway and TCA cycle have independently?

7. A common product of both the PDH pathway and TCA cycle.