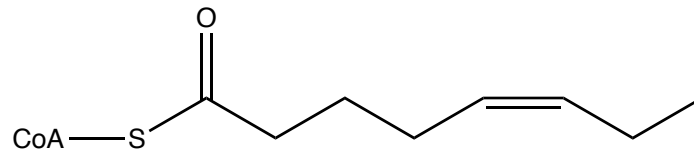


NAME: \_\_\_\_\_

Quiz 20

Given:



1. Estimate the number of redox steps by counting C-C and C-H bonds.
2. Complete one round of  $\beta$ -oxidation. Indicate the products.
3. React the enoyl-CoA with enoyl-CoA isomerase.
4. Continue the complete oxidation of the fatty acid through  $\beta$ -oxidation and the TCA cycle. Indicate the number of each at the end of the processes of  $\beta$ -oxidation and the TCA.  

CO<sub>2</sub>

GTP

NADH

FADH<sub>2</sub>
5. What magnitude of proton gradient will be produced by the ETC?
6. How many O<sub>2</sub> will be used by the ETC?
7. How many ATP will be produced?